

6-1-1984

Graduate Catalog, 1984-1986

Eastern Kentucky University

Follow this and additional works at: http://encompass.eku.edu/g_cat

Recommended Citation

Eastern Kentucky University, "Graduate Catalog, 1984-1986" (1984). *Graduate Catalog*. Book 22.
http://encompass.eku.edu/g_cat/22

This Article is brought to you for free and open access by the University Publications at Encompass. It has been accepted for inclusion in Graduate Catalog by an authorized administrator of Encompass. For more information, please contact Linda.Sizemore@eku.edu.

1984-1986



graduate catalog

Eastern Kentucky University





LIBRARY OF THE
UNIVERSITY OF CALIFORNIA

graduate catalog

Eastern Kentucky
University



Volume 75 Number 2
June 1984

Published seven times a year by
Eastern Kentucky University, in
January, February, March, April,
July, August, and November,
and entered at the Post Office in
Richmond, Kentucky 40475.

Eastern Kentucky University
Richmond, KY 40475-0931

Contents

1984-85 University Calendar	3
PART ONE — The University	
Introduction	7
History	7
Purpose	7
Mission Statements	7
PART TWO — Student Services Information	
Expenses	11
Living Accommodations	12
Guidance and Counseling Service	13
Student Health Services	13
Loans	13
Student Employment	14
Social Activities	14
Student Organizations	14
Cultural Activities	15
Career Development and Placement Office	15
The Alumni Association	15
PART THREE — General Academic Information	
Degrees and Programs	19
Application to the Graduate School	19
Application Form	
Transcripts	
Graduate Record Examination	
Letters of Recommendation	
Types of Admission	20
Unconditionally	
Conditionally	
Non-Degree	
Visiting Student	
Undergraduate Admission	
International Student Admission	20
General Information	20
Student Responsibilities	
Program Planning	
Registration	21
Pre-registration	
Change of Schedule	
Withdrawal from the University	
Academic Load	21
Transfer of Credit	
Graduate Course Credit	
Degree Completion Requirements	22
Admission to Candidacy	
Application for Master's or Specialist's Degree	
Language Requirements	
Time Requirements	
Minimum Hours Required	
Master's Thesis or Specialist's Project	
Comprehensive Examination(s)	
Second Master's Degree Requirements	23
Specialist's Degree Requirements	23
Joint Doctoral Programs	23
Catalog Applicable	23
PART FOUR — Academic Divisions	
College of Applied Arts and Technology	25
College of Arts and Humanities	31
College of Business	36
College of Education	40
College of Health, Physical Education, Recreation and Athletics	57
College of Law Enforcement	61
College of Natural & Mathematical Sciences	63
College of Social & Behavioral Sciences	72
INDEX	84

Memberships and Accreditations

MEMBERSHIPS

American Assembly of Collegiate Schools of Business
American Association of College Registrars and Admissions Officers
American Association of Colleges for Teacher Education
American Association of State Colleges and Universities
American Association of University Women
American Colleges of Nursing
American College Health Association
American Conference of Academic Deans
American Council on Education
American Film Institute
American Personnel and Guidance Association
American Political Science Association
American Society of Allied Health Professions
American Society of Journalism School Administrators
American Technical Education Association
American Theatre Association
Association of Administrators of Home Economics
Association for Continuing Professional Education
Association for General and Liberal Studies
Association of Departments of English
Council of Colleges of Arts and Sciences
Council of Graduate Schools in the United States
National Association for Business Teacher Education
National Association of Advisors for the Health Professions
National Association of Industrial Technology
National Association of Schools of Public Affairs and Administration
National Commission for Cooperative Education
National University Continuing Education Association
Southeastern Association of Advisors for the Health Professions
Southern Regional Educational Board
University Aviation Association

ACCREDITATIONS

Eastern Kentucky University is accredited by the Commission on Colleges, Southern Association of Colleges and Schools.

American Bar Association
(Associate and Baccalaureate Programs in Paralegal Science)
American Chemical Society
American Medical Association/Committee on Allied Health Education & Accreditation
Emergency Medical Technician/Paramedic (Associate Degree Program)
Health Record Science/Medical Record (Associate and Baccalaureate Programs)
Medical Assisting Technology (Associate Degree Program)
Occupational Therapy (Baccalaureate Degree Program)
Council on Social Work Education
National Accrediting Agency for Clinical Laboratory Sciences:
Medical Laboratory Technician (Associate Degree Program)
Medical Technology (Baccalaureate Degree Program)
National Association of Industrial Technology
National Association of Schools of Music
National Council for Accreditation of Teacher Education
National League of Nursing (Associate and Baccalaureate Programs)

All statements in this publication are announcements of present policy only and are subject to change at any time without prior notice. *They are not to be regarded as offers to contract.*

Eastern Kentucky University is an Equal Opportunity-Affirmative Action employer and does not discriminate on the basis of age, race, color, religion, sex, handicap or national origin in the admission to, or participation in, any educational program of activity which it conducts, or discriminate on such basis in any employment opportunity. Any complaint arising by reason of alleged discrimination shall be directed in writing to the Affirmative Action Officer, Million House, E.K.U. Campus, telephone number (606) 622-1258.

The Board of Regents of Eastern Kentucky University does hereby reaffirm that neither race, nor creed, nor color, nor sex, nor handicap shall be a criterion for admission to any part of any program or activity conducted by Eastern Kentucky University.

Eastern Kentucky University is an equal educational opportunity institution.

In this publication, the masculine gender is used to achieve a simpler and economical style. Eastern Kentucky University endeavors in all programs to avoid discrimination. It should be clear therefore, that the use of the masculine gender is solely a stylistic device.

1984-85 University Calendar

FALL SEMESTER — 1984

August 15	Wednesday	8:00-9:00 a.m. 9:00 a.m.	Check-in for graduate assistants Assembly of faculty and administrative staff
		10:00 a.m. 11:00 a.m. 10:00 a.m.	College and department meetings College advisor meetings Dormitories open for students still needing to register for the Fall, 1984, semester
August 15-17	Wednesday-Friday	1:00 p.m.	Incoming freshmen who have not taken the ACT test must do so on one of these days, Combs 332
August 15-16	Wednesday-Thursday		Registration for readmitted and new freshman and transfer students
August 17	Friday		Registration for continuing students
August 19	Sunday	10:00 a.m.	Dormitories open for all students who previously registered for the Fall, 1984, semester
August 20	Monday	9:00 a.m.	Academic orientation program for new faculty, Burrier Bldg.
August 20-23	Monday-Thursday	4:15-5:45 p.m.	Schedule Change ("drop-add") Day Registration for evening students who have not previously registered
August 20	Monday		Evening classes begin as scheduled
August 21	Tuesday		Day classes begin as scheduled
August 21-24	Tuesday-Friday		Late registration and schedule changes. Late registration fee is \$25.00
August 24	Friday		Last day to register, to add a class, or to change from audit to credit
August 27	Monday		First day to apply for student teaching for the Spring, 1985, semester
September 3	Monday		Holiday — no classes
September 5	Wednesday		Undergraduate Competency Exam for all Fall, 1984, student teachers, Combs Classroom Bldg
September 12	Wednesday		Last day to change from credit to audit or to change to or from "pass-fail"
September 21	Friday		Last day to apply for student teaching for the Spring, 1985, semester
October 12	Friday		Last day to drop a class or to withdraw from the University
October 13	Saturday	8:00 a.m.	Graduate Record Examination, Combs 318
October 19	Friday		Mid-semester reports due to the Registrar
			Last day for graduate students finishing in December, 1984, to file Admission to Candidacy forms
October 26	Friday		Last day for May and August, 1985, graduates to apply for graduation, college dean's office
October 27	Saturday	8:00 a.m.	ACT test, Combs 322. Pre-registration is required
October 29	Monday		Advising period for Spring, 1985, semester begins
November 3	Saturday	9:00 a.m.	Graduate Competency Examination for all College of Education Master degree candidates graduating in December, Combs Bldg
November 5	Monday		Registration for Spring, 1985, semester begins
November 6	Tuesday		Holiday — Election Day — no classes

November 21-23	Wednesday-Friday		Holiday — no classes
November 26	Monday		Classes resume
			Thesis deadline for December, 1984, graduate students
November 30	Friday		Advising period ends
December 1	Saturday	8:15 a.m.	Law School Admissions Test, Combs 318
December 3-7	Monday-Friday		"Pre-Final Examination Week"
December 5	Wednesday		Oral/Comprehensive reports for December, 1984, graduates due in Graduate School
December 7	Friday		Recognition reception for candidates completing degree requirements in December, 1984
December 8	Saturday	8:00 a.m.	ACT test, Combs 322. Pre-registration required
December 10-15	Monday-Friday		Final examinations
SPRING SEMESTER—1985			
January 2	Wednesday	10:00 a.m.	Dormitories open
January 2-4	Wednesday-Friday	1:00 p.m.	Incoming freshmen who have not taken the ACT test must do so on one of these days, Combs 322
January 3	Thursday		Registration for readmitted and new freshman and transfer students
January 4	Friday		Registration for continuing students
January 7	Monday		Schedule Change ("drop-add") Day
January 7-10	Monday-Thursday	4:15-5:45 p.m.	Registration for evening students who have not previously registered
January 7	Monday		Evening classes begin as scheduled
January 8	Tuesday		Day classes begin as scheduled
January 8-11	Tuesday-Friday		Late registration and schedule changes. Late registration fee is \$25.00
January 11	Friday		Last day to register, to add a class, or to change from audit to credit
January 14	Monday		First day to apply for student teaching for the Fall, 1985, semester
January 30	Wednesday		Last day to change from credit to audit or to to or from "pass-fail"
February 2	Saturday	8:00 a.m.	Graduate Record Examination, Combs 318
February 8	Friday		Last day to apply for student teaching for the Fall, 1985, semester
February 9	Saturday	8:00 a.m.	ACT test, Combs 322. Pre-registration required
February 18	Monday		Holiday—no classes
March 1	Friday		Last day to drop a class or to withdraw from the University
March 8	Friday		Mid-semester reports due to the Registrar
			Last day for graduate students finishing in May, 1985, to file Admission to Candidacy forms
March 10-16	Sunday-Saturday		Spring vacation
March 18	Monday		Classes resume
March 25	Monday		Advising period for Intercession, Summer session, and Fall, 1985, semester begins
April 1	Monday		Registration for Intercession, Summer session, and Fall, 1985, semester begins
April 5	Friday		Holiday—no classes
April 6	Saturday	9:00 a.m.	Graduate Competency Examination for all College of Education master's degree candidates graduating in May, Combs Bldg
April 13	Saturday	8:00 a.m.	Graduate Record Examination, Combs 318

April 20	Saturday	8:00 a.m.	ACT test, Combs 322. Pre-registration required
April 22	Monday		Thesis deadline for May, 1985, graduate students
April 24-30	Wednesday-Tuesday		"Pre-Final Examination Week"
April 26	Friday		Last day for December, 1985, graduates to apply for graduation, college dean's office
May 1	Wednesday		Advising period ends Study Day—No classes Final examinations for evening classes begin
			Oral/Comprehensive reports for May, 1985, graduates due in Graduate School
May 2-10	Thursday-Friday		Final examinations
May 11	Saturday		Commencement Exercises
May 13	Monday		Intercession begins
May 27	Monday		Holiday—no classes
June 7	Friday		Intercession ends

SUMMER SESSION—1985

June 7, 10	Friday, Monday	1:00 p.m.	Incoming freshmen who have not taken the ACT test must do so on one of these days, Combs 322. A \$10.00 test fee must be paid at this time
June 8	Saturday	8:00 a.m.	Graduate Record Examination, Combs 318 ACT test, Combs 322. Pre-registration required
June 10	Monday		Registration for Summer Session
June 11	Tuesday		Classes begin as scheduled
June 13	Thursday		Last day to register, to add a class, or to change from audit to credit
June 19	Wednesday		Last day to change from credit to audit or to or from "pass-fail"
July 1	Monday		Graduate Competency Examination for all College of Education Master degree candidates graduating in August, Combs Bldg
July 4	Thursday		Holiday—no classes
July 5	Friday		Last day to drop a class or to withdraw from the University
July 19	Friday		Thesis deadline for August, 1985, graduate students
July 24	Wednesday		Oral/comprehensive reports for August, 1985, graduates due in the Graduate School
August 1	Thursday		Commencement exercises
August 2	Friday		Summer Session ends

1 The University

CONTENTS

Introduction	7	Purpose	7
History	7	Mission Statements	7



INTRODUCTION

Eastern Kentucky University is a regional coeducational public institution of higher education offering general and liberal arts programs, pre-professional and professional training in education and various other fields at both the undergraduate and graduate levels. Located in Richmond, Madison County, Kentucky, Eastern has a distinguished record of more than seven decades of educational service to the Commonwealth.

Situated near the heart of the Bluegrass, Richmond is served by a network of major highways which makes Eastern easily accessible from all parts of Kentucky and surrounding states. Richmond is 26 miles southeast of Lexington, Kentucky, and Interstate Highways I-75 (North-South) and I-64 (East-West) make the metropolitan areas of Cincinnati, 112 miles to the North, and Louisville, 110 miles to the West, within convenient distance by automobile. Richmond is also served by U.S. Route 25 from Southeastern Kentucky and Kentucky Route 52 from the East and West. The Kentucky Turnpike and the Mountain, Daniel Boone and Cumberland Parkways provide even greater convenience in automobile travel to Richmond, since the city is located near the convergence of these arterial highways into the interstate systems.

Richmond, the county seat of Madison County, is an expanding community of approximately 21,000 population. Served by the churches representing most Christian faiths, the community provides an excellent environment for the University student.

In and around Richmond are many areas of historic and scenic interest. Boonesborough State Park, birthplace of Kentucky, is located twelve miles to the north. Many other historical places are within easy driving distance. Scenic and recreational areas surround this section of the state.

HISTORY

The General Assembly of 1906 enacted legislation establishing the Eastern Kentucky State Normal School. Governor J. C. Beckham signed the bill into law on March 21, 1906, and on May 7 of that year, the Normal School Commission, meeting in Louisville, selected the campus of the old Central University, founded in 1874, in Richmond, Kentucky, as the site of the new school. On June 2, 1906, Ruric Nevel Roark was chosen President of the Normal School and the training of teachers was initiated.

In 1922, Eastern became a four-year institution known as the Eastern Kentucky State Normal School and Teachers College. The first degrees were awarded by this institution in 1925. In 1928, the College was accredited by the Southern Association of Colleges and Secondary Schools. In 1930, the General Assembly renamed the school as the Eastern Kentucky State Teachers College.

In 1935, a graduate program was approved at Eastern, leading to the Master of Arts in Education. In 1948, the General Assembly removed the word "Teachers" from the name of the College and granted the College the right to award non-professional degrees.

The most significant day since its founding came for Eastern February 26, 1966, when Governor Edward T. Breathitt signed into law a bill renaming the institution Eastern Kentucky University and sanctioning the awarding of graduate degrees in academic fields other than education.

During this period of time, Eastern Kentucky University has increased rapidly in size and stature. Beginning with a few students engaged in short review and certificate courses, the University today serves thousands of Kentucky's young men and women by offering a curriculum leading to the Associate of Arts baccalaureate degrees and an expanding graduate program that presently offers degrees at the Master's level in many other fields as well as

the already well-established Master of Arts degree in Education and the various fifth and sixth-year leadership programs in education. Specialist degree programs have been implemented in Education and Technology. In addition to these programs, Eastern offers joint doctoral programs with cooperating institutions.

Ever-mindful of the purpose of its founding, Eastern continues to recognize its historic function of preparing quality teachers for the elementary and secondary schools of the Commonwealth. However, a strong liberal arts curriculum leading to appropriate degrees, together with pre-professional courses in several areas and graduate programs, enable Eastern to uniquely serve the Commonwealth as a regional university.

PURPOSE

Within its statutory responsibilities, Eastern Kentucky University seeks to provide intellectual and cultural opportunities which will develop habits of scholarship and intellectual curiosity; provide a deep understanding of American democracy and the citizen's role in maintaining its strength and vitality; impart an understanding of man and his aspirations; enable effective and efficient communication; and prepare productive and responsive citizens. The University will remain responsive and flexible in order to serve in unique and needed ways.

Within these general responsibilities and purposes, the University has three specific functions — teaching, public service, and research — and places emphasis on the three in this order. Through its colleges and schools, the University seeks to offer quality instruction at a variety of degree levels in general education, the arts, the sciences, business education, pre-professional and professional areas, and applied and technical disciplines. Through consultative services, continuing education, and the extended campus, the University seeks to provide service to the community and region. Research seeks both to advance knowledge in the subject matter areas with which the University is concerned and to support the primary function of teaching.

MISSION STATEMENT

The Kentucky Council on Higher Education has approved the following Mission Statement for Eastern Kentucky University.

"Eastern Kentucky University shall serve as a residential, regional university offering a broad range of traditional programs to the people of central, eastern, and southeastern Kentucky. Recognizing the needs of its region, the University should provide programs at the associate and baccalaureate degree levels, especially programs of a technological nature.

"Subject to demonstrated need, selected master's degree programs should be offered, as well as the specialist programs in education. A retrenchment or elimination of duplicative or nonproductive programs is desirable, while development of new programs compatible with this mission is appropriate.

"The University should continue to meet the needs in teacher education in its primary service region and should provide education in its primary service region and should provide applied research, service, and continuing education programs directly related to the needs of its primary service region.

"Because of the University's proximity to other higher education and postsecondary institutions, it should foster close working relationships and develop articulation agreements with those institutions. The University should develop cooperative applied research and teaching programs utilizing resources such as Lilley's Wood and Pilot Knob Sanctuary, and Maywoods."

INSTITUTIONAL GOALS

The following Institutional Goals, approved by the Board of Regents, support the University mission: (1) to be a comprehensive, public, residential university for the Commonwealth of Kentucky; (2) to provide an environment for learning and individual development of the highest possible quality; (3) to provide access to higher education for citizens of the Commonwealth of Kentucky through reasonably open admission policies and relatively low student cost; (4) to maintain an adequate enrollment of out-of-state residents and foreign nationals to enrich the educational experience for all students while emphasizing the enrollment of Kentucky students; (5) to support the non-discrimination policy of the Board of Regents and to meet or exceed the goals of the Commonwealth's plan for desegregation of Higher Education; (6) to offer associate degree programs which are based on student interests and/or societal needs, which are integrated when appropriate with baccalaureate degree programs for individuals preparing themselves in a university setting, and which contain a general education component; (7) to offer baccalaureate and pre-professional programs based on student interests and/or societal needs with a strong general education program as a component of each degree program; (8) to offer graduate programs based on student interest and/or societal needs which provide advanced study through instruction and research, strengthen the disciplines, and contribute to the total research effort of the institution; (9) to provide for individuals and agencies those public services and continuing education opportunities which are compatible with University programs; (10) to support and encourage research as an important scholarly activity, recognizing its contribution to effective teaching and learning, its value to the knowledge of the disciplines, and its value to public service; (11) to manage and protect for posterity and to make available for instruction, research and public use, selected natural areas that are unique or valuable for their biological, physical, and historical significance; (12) to provide for the University community and general public a center for a broad range of cultural, popular, and other enrichment activities in order to promote artistic and cultural awareness, scholarly pursuits, the free exchange of ideas, and critical thinking; (13) to provide support services which promote the development and well being of the members of the University community; and (14) to be solvent and financially accountable to appropriate agencies.

COLLEGE OF ALLIED HEALTH AND NURSING

The College of Allied Health and Nursing has the purposes: (1) to provide courses of study for academic majors in various allied health and nursing disciplines and to offer programs to prepare students for professional and pre-professional fields; (2) to provide a program of academic advising for students majoring in programs within the college; (3) to provide supporting courses for students majoring in other fields; (4) to encourage the development of interdisciplinary program/courses, both inter- and intra-college in nature; (5) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (6) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF APPLIED ARTS AND TECHNOLOGY

The College of Applied Arts and Technology has the purposes: (1) to provide selected instructional programs for the preparation of people for careers in the applied arts and technologies; (2) to offer associate degree, baccalaureate degree, and pre-professional programs that meet the students' needs and interests; (3) to foster the career-ladder

concept by providing opportunities for students enrolled in, or completing the associate (two-year) degree programs, to transfer to a corresponding baccalaureate program within the same department with little or no loss of credits; (4) to offer graduate programs that meet students' needs and interests; (5) to provide a program of academic advising for students majoring in programs within the College; (6) to provide selected general education courses; (7) to provide academic specialization for students in teacher certification programs and supporting courses for students majoring in other fields; (8) to encourage the development of interdisciplinary programs/courses, both inter-college and intra-college in nature; (9) to serve the community and region through public service; (10) to contribute to the professional growth of individuals in their careers; (11) encourage the improvement of the teaching-learning relationship through improvement of instruction, effective utilization of available resources, and through academic program review and evaluation; and (12) to support, encourage and engage in scholarly activities which contribute to the primary function of teaching, to the advancement of the discipline, and to the strengthening of public service.

COLLEGE OF ARTS AND HUMANITIES

The College of Arts and Humanities has the purposes: (1) to provide courses of study for academic majors in the arts and humanities and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF BUSINESS

The College of Business includes within its goals the following: (1) to offer a wide range of business-oriented, academic programs which will prepare graduates to enter both the private and public sectors of our economy. To accomplish this degree, programs will be offered at graduate, baccalaureate, and associate levels; (2) to maintain a high quality of instruction; (3) to encourage academically-able students; (4) to encourage cross-cultural exchanges; (5) to offer business related public services and continuing educational opportunities; and (6) to encourage research related to business disciplines.

COLLEGE OF EDUCATION

The College of Education has the purposes: (1) to provide courses of study for academic majors in education, including certification programs for teachers and other supporting school personnel, and programs for related human services personnel; (2) to provide the academic and field experiences necessary for students to function effectively in a culturally diverse society; (3) to provide academic and field experiences in preparing teachers to insure that all children receive their education in the least restrictive setting; (4) to provide a program of academic advising for students majoring in programs within the college; (5) to cooperate with the other colleges in the programs of students in teacher certification programs; (6) to encourage the development of interdisciplinary programs/courses, both inter- and intra-

college in nature; (7) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (8) to serve the community and region by working cooperatively with their school systems; and (9) to engage in research to advance knowledge and enhance the primary function of instruction.

COLLEGE OF HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

The College of Health, Physical Education, Recreation and Athletics has the purposes: (1) to provide courses of study for academic majors in the health, physical education and recreation fields and to offer programs to prepare students for professional and pre-professional fields; (2) to provide selected general education courses in physical education and health; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction; and (8) to develop and maintain programs of the intercollegiate and intramural athletics.

COLLEGE OF LAW ENFORCEMENT

The College of Law Enforcement has the purposes: (1) to prepare citizens for productive citizenship roles; (2) to prepare personnel for positions in the private and public safety sectors of society; (3) to prepare personnel for teaching on one of the fields within each departmental area; (4) to conduct research in the broad areas contained within each departmental program; and (5) to provide service programs pertinent to one of the broad areas contained within each departmental program.

COLLEGE OF NATURAL AND MATHEMATICAL SCIENCES

The College of Natural and Mathematical Sciences has the following goals: (1) to provide academic programs in the natural and mathematical sciences leading to Masters, Baccalaureate and Associate degrees and to offer courses/programs to prepare students for pre-professional and professional fields; (2) to provide academic specialization for students in the teacher education programs at both the undergraduate and graduate levels; (3) to provide supporting and necessary developmental courses in the natural and mathematical sciences for all students in the University; (4) to provide leadership in the College's areas of general education in the natural and mathematical sciences, and to provide appropriate general education courses, and an interdisciplinary program in general education; (5) to provide a program of academic advisement for students majoring in programs within the College; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, academic program review and evaluation, and opportunities for professional development; (7) to provide all students enrolled in courses in the natural and mathematical sciences with access to up-to-date laboratory/field equipment and computer assisted instruction on an individualized basis as an extension of natural and mathematical science courses and research efforts; (8) to encourage the development of interdisciplinary programs/courses, both inter- and intra-

college in nature; (9) to engage in research to advance knowledge in the natural and mathematical sciences and to enhance the College's primary function of instruction; (10) to serve the local community, region, and the Commonwealth through public service; (11) to support and utilize the University's natural areas as sites for advancement of scientific knowledge in the ecological and environmental disciplines of the natural sciences; (12) to provide information on careers in the natural and mathematical sciences and professional assistance to students; and (13) to cooperate with all educational institutions in disseminating information and providing mutual support in attaining the highest possible quality courses and programs in the natural and mathematical sciences.

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

The College of Social and Behavioral Sciences has the purposes: (1) to provide courses of study for academic majors in the social and behavioral sciences and to offer programs to prepare students for professional and pre-professional fields; (2) to provide leadership in its areas of general education, appropriate general education courses, and an interdisciplinary program in general education; (3) to provide a program of academic advising for students majoring in programs within the college; (4) to provide academic specialization for students in teacher certification programs and to provide supporting courses for students majoring in other fields; (5) to encourage the development of interdisciplinary programs/courses, both inter- and intra-college in nature; (6) to encourage the improvement of the teaching-learning relationship through improvement of instruction, utilization of available resources, and through academic program review and evaluation; and (7) to serve the community and region through public service and to engage in research to advance knowledge and enhance the primary function of instruction.

GRADUATE SCHOOL

The Graduate School has as its basic purpose the administrative responsibility of all programs beyond the baccalaureate level at the University. It is charged: (1) to provide coordination between the colleges in the development of the University's graduate offering; (2) to act as a central source of information; (3) to recruit, admit and register students in advanced programs; (4) to oversee the advising of graduate students; and (5) to coordinate the University's program of graduate assistantships.

OFFICE FOR COMMUNITY COLLEGE PROGRAMS

The Office for Community College Programs has the following four basic functions: (1) to assist in the development, coordination, and promotion of high quality instruction in a variety of technical, business, semi-professional, and service-oriented professions below the baccalaureate level; (2) to provide a centralized source of information and coordinate the dissemination of information on all programs offered within the university below the baccalaureate level; (3) to coordinate liaison between the University and the community and junior colleges within the state and region; and (4) to administer the special program of "student readmission" into associate degree programs.

OFFICE OF ACADEMIC SUPPORT AND UNDERGRADUATE STUDIES

The Office of Academic Support and Undergraduate Studies coordinates the delivery of those services that support the academic pursuits of undergraduate students, such as admission, orientation, advising and registration, and career planning. The office also coordinates international education, cooperative education, and developmental education on campus. Finally, it coordinates the University General Education program, and the dean serves as chair of the general education committee.

2 Student Services Information

CONTENTS

Expenses	11
Living Accommodations	12
Guidance and Counseling Service	13
Loans	13
Student Employment	14

Social Activities	14
Student Organizations	14
Cultural Activities	15
Career Development and Placement Office	15
The Alumni Association	15



EXPENSES

Since registration and other fees and dormitory room rents are subject to change periodically, no attempt is made in this publication to itemize these costs. This information is available from the Division of Admissions prior to the beginning of each academic year.

DEFINITION OF RESIDENT STUDENT FOR FEE ASSESSMENT PURPOSES

The Policy on Classification of Student for Fee Assessment Purposes, adopted by the 1975 Kentucky Council on Higher Education, is applied to determine a student's eligibility for fees assessed Kentucky residents. The Policy provides the following rules and presumptions:

I. INTENT. Under current law the Council on Higher Education as a matter of policy establishes a higher fee or tuition for non-resident students attending public institutions than that charged Kentuckians. It is the intent of the Council on Higher Education that the state institutions of higher education in the Commonwealth of Kentucky shall apply uniform interpretations, as described in this policy and not otherwise, in determining whether students shall be classified as residents or non-residents for fee assessment purposes.

II. DEFINITIONS. Whenever used in this policy:

(1) The word "Institution" shall mean a college, university, or community college supported by appropriations made by the General Assembly of Kentucky.

(2) The word "Residence" or "Reside" shall denote continuous presence within this state, provided that temporary absence for short periods of time shall not affect the establishment of a residence.

(3) The word "Domicile" shall denote a person's true, fixed, and permanent home and place of habitation. It is the place where he intends to remain, and to which he expects to return when he leaves without intending to establish a new domicile elsewhere. Residence and domicile convey the same notion of permanence and principal home and are used interchangeably.

(4) The term "Emancipated Person" shall mean a person who has attained the age of 18 years, and whose parents: (A) have entirely surrendered the right to the care, custody, and earnings of such person; (B) who are no longer under any legal obligation to support or maintain such person; (C) who no longer, in fact, voluntarily contribute substantial financial assistance; and (D) whose parents' income is not taken into account by any private or governmental agency furnishing financial educational assistance to such person, including scholarships, loans, and other assistance. If all of the aforesaid dependency tests are not met, said person shall be deemed an "Unemancipated Person."

(5) The word "Parent" shall mean a person's father or mother, or the parent having custody, or if there is a legal guardian or legal custodian of an unemancipated person, then such guardian or legal custodian; provided that such guardianship or custodianship was not created primarily for the purpose of conferring the status of resident on such unemancipated person.

(6) Attendance at a college or colleges in this state shall be deemed "Continuous" if the person claiming continuous attendance has been enrolled at college(s) in this state as a full-time student, as such term is defined by the governing body of said college(s), for two consecutive regular semesters since the beginning of the period for which continuous attendance is claimed. Such person need not attend summer sessions or other such intersession in order to render his attendance "continuous."

(7) The word "His" shall apply to the female as well as to the male sex.

III. GUIDELINES FOR DETERMINATION OF STATUS.

(1) The domicile of an unemancipated person is that of his

parent.

(2) Upon moving to this state, an emancipated person who provides persuasive evidence of domicile may apply for resident classification for his unemancipated children; and provided that said person is not himself in this state primarily as a full-time student, his unemancipated children may at once be so classified.

(3) Any person who remains in this state when his parent(s), theretofore domiciled in this state, removes from this state shall be entitled to classification as a resident *while in continuous attendance at the degree level in which he is currently enrolled.*

(4) An unemancipated person whose parent is a member of the Armed Forces and stationed in this state pursuant to military orders shall be *classified* as a resident. The student, while in continuous attendance at the degree level in which he is currently enrolled, shall not lose his resident status when his parent is thereafter transferred on military orders.

(5) An emancipated person who moves to the Commonwealth within six months from the date of discharge from the military service with the stated intent of becoming a resident of the Commonwealth shall be permitted to count such time spent in the military service toward meeting the presumptions outlined in Section IV, provided the individual entered military service from the state of Kentucky or his home of record and permanent address at the time of discharge was Kentucky.

IV. PRESUMPTIONS. Unless the contrary appears from clear and convincing evidence, it shall be presumed that:

(1) Except as provided in Section IV (2), every person remaining in this state in a non-resident status for the twelve months immediately preceding shall be a resident student for fee assessment purposes. No person having his domicile elsewhere than in this state shall be classified as a resident for fee assessment purposes.

(2) No emancipated person shall be deemed to have gained residence while attending any educational institution (public or private) in this state as full-time student, as such status is defined by the governing board of such institution, in the absence of a clear demonstration that he has established domicile in the state. However, attending college in a part-time status will not prevent such person who has bona fide full-time employment in the state from establishing domicile.

(3) The domicile of a married person shall be determined by the provisions of these regulations independent of the residency of the spouse.

(4) A person does not gain or lose resident status for reason of his presence in any state or country while a member of the Armed Forces of the United States. However, a member of the Armed Forces of the United States stationed in Kentucky on military orders, except members of the Armed Forces specifically assigned for educational purposes to state-supported institutions of higher education is presumed to be domiciled in the state and shall be entitled to classification as a resident while on active duty in this state pursuant to such orders. Resident status is similarly granted to his unemancipated children.

(5) In the event an unemancipated person's parents should have separate domiciles, his domicile shall be that of the parent having legal custody. In the event neither parent has legal custody, his domicile shall be that of the parent furnishing him the greater financial assistance.

(6) Use of records. A student whose admissions records show him to be a graduate of an out-of-state high school and his residence to be outside of Kentucky will normally be classified as a non-resident.

(7) Aliens. Aliens lawfully admitted to the United States for permanent residence under a permanent visa may establish Kentucky residence in the same manner as any other non-resident. An alien who possesses a student visa cannot be classified as a resident.

V. TYPES OF EVIDENCE TO BE CONSIDERED FOR ESTABLISHMENT OF DOMICILE. If a person asserts that he has established domicile in Kentucky for a period of twelve months immediately preceding the last date for enrollment in an institution, he has the burden of proving he has done so. The following statements pertain to the kinds of evidence that will be considered in reviewing an assertion by a person that he is domiciled in Kentucky.

(1) The following facts, although not conclusive, have probable value in support of a claim for resident classification; acceptance of an offer of permanent employment in this state; former residence in the state and the maintenance of significant connections therein while absent; or abandonment of a former domicile and establishing domicile in the state with attendance at an institution following and only an incident to such domicile.

(2) The following facts are not necessarily sufficient evidence of domicile; Employment by an institution as a fellow, scholar, assistant, or in any position normally filled by students; a statement of intention to acquire a domicile in this state; voting or registration for voting; the lease of living quarters; payment of local and state taxes; Kentucky automobile registration; Kentucky operator's license; continued presence in Kentucky during vacation periods; marriage to a Kentucky resident; or the owning of any real property in Kentucky.

VI. RESIDENCY CLASSIFICATION AND APPEAL PROCEDURES. Each institution shall establish a Non-Resident Fee Committee to consider changes in resident status based on the above criteria. Application for change of resident classification shall be made in writing to the Director of Admissions or to the person who has been designated as the Chair of the Non-Resident Fee Committee. The Chair may present each case to the Commonwealth for a final decision, and the student will be notified in writing as to the disposition of his application.

In the event of a ruling by the Non-Resident Fee Committee which is unsatisfactory to the student, the student may request that a copy of his file be submitted by the Director of Admissions or the person designated by his institution to the Executive Director of the Council on Education for referral to the Council's Committee on Residency Review for its recommendation to the institution.

STUDENT FINANCIAL OBLIGATIONS

Any student or former student who is indebted to the University and who fails to make satisfactory settlement within a time limit prescribed is liable for administrative action. Students who are indebted to the University may not register at the University nor will their transcript be released until the debt is paid. Any student indebted to the University who can not meet his financial obligations within the time limit prescribed is responsible for calling on the Director of Billings and Collections and explaining the reasons for failure to pay. Short extensions may be granted for good and sufficient reasons.

REFUND POLICY

Registration fees paid by students during pre-registration periods will be refundable in full providing the request for refund is filed prior to the beginning of the regular registration period of the term for which the fees have been paid. The Security-damage deposit will be refunded in full if cancellation is received by July 15 for the fall semester; December 15 for the spring semester; or May 15 for the summer term, respectively.

Refunds on fees, board plan charges, and room rental charges upon official withdrawal from the University shall be made on the following schedule:

During regular registration period:

Prior to the first day of classes — 90%

During the first and second weeks of classes — 75%

Third and fourth weeks — 50%

Fifth and sixth weeks — 25%

After six weeks, no refund will be made.

During the summer session:

Prior to the first day of classes — 90%

First week — 75%

Second week — 50%

Third week — 25%

After three weeks, no refund will be made.

For the purposes of calculation, weeks are defined in seven-day periods beginning with the first day of classes for the semester or summer term.

The percentage of refunds shall apply only to registration and class fees, board plan charges, and room rentals. In no case shall a refund of rent be made to a person who remains a student but moves from University housing at his convenience. Students who move from University housing during the first six weeks of the semester may apply for refund of Board Plan fees in accordance with the schedule above.

Refunds for reduction in course load for part-time students will be at the same percentage rate as for students who officially withdraw from the University; however, if the reduction in course load results from the cancellation of a class or from the student having been permitted to enroll for a class for which he was not eligible, a full refund will be made of the registration fee for the course being dropped. Refunds for reduction of course load must be approved by the Vice President for Academic Affairs and Research.

LIVING ACCOMMODATIONS

Eastern Kentucky University maintains a number of Residence Halls. All single full-time undergraduate students under twenty-one years of age not residing with their parents are required to live in University Residence Hall facilities. Graduate students, married students, and single undergraduate students over 21 years of age must secure special permission from the Director of Housing if they wish to occupy a room in a residence hall.

There are a number of large rooms in the dormitory housing that are designed for three-person occupancy. These rooms are as follows: Burnam Hall: 39, 40, 41, 49, 121, 143, 243 and 343. Case Hall: 318, 320, 322, 418, 420 and 422. Sullivan Hall: 113, 125, 213, 214, 219, 225, 226, 313, 314, 325, and 326.

The University makes available sheets and pillowcases and a weekly linen exchange for students in the Residence Halls.

All other items are to be furnished by the student. Residence Halls have modern coin-operated laundry and drying machines. Several laundries and dry cleaning establishments are located a short distance from the campus.

All students desiring housing in Residence Halls at Eastern Kentucky University must complete a housing application and forward it, along with a \$50 security-damage deposit, to the Director of Billings and Collections, Eastern Kentucky University, Richmond, Kentucky 40475-0931.

The housing deposit is necessary before a reservation can be made. Reservations will be held only through the day preceding the first day of classes unless students have made arrangements with the Director of Housing or individual Residence Hall Director.

Room rent is paid by the semester and is due and payable at registration.

FAMILY HOUSING

Requests for family housing reservations in Brockton, including the trailer courts, should be made to the Assistant Director for Housing in the Division of Physical Plant. Applications must be accompanied by a \$75 security deposit, which is refundable upon termination of the rental period.

FOOD SERVICE

The University operates several food service facilities on the campus. Large air-conditioned cafeterias in the Powell Building, Martin Hall, and Sidney Hall serve attractive, wholesome meals at reasonable prices. Students may elect to purchase food on an individual meal basis or meal plan. In addition, there is a cafeteria located in the Stratton Building and a grill in the Powell Building.

OFFICE OF STUDENT AFFAIRS

Through the Office of Student Affairs, the University informs students of the various aspects of campus life. Some of the more specific areas are: (1) orientation of freshman and transfer of students; (2) physical and mental health of students; (3) coordination of student activities and organizations; (4) housing assignments; (5) maintenance of certain personnel records; (6) counseling center; (7) implementation of the student rights and responsibilities policies; (8) social programs; (9) veterans affairs; (10) student financial assistance; and (11) student special services.

Students are encouraged to become responsible citizens of communities, citizens of a democracy, and professional people. Immediate emphasis is directed toward those activities which assist students in attaining maximum personal, social, and academic growth in a stimulating environment.

STUDENT HEALTH SERVICES

The health care of students is administered by the Student Health Services (SHS) and its staff. Regular office hours are from 8 a.m. to 5:30 p.m., Monday through Friday. After hours, including nights and weekends, a nurse is available to assist in emergencies which might arise at those times. The SHS provides most laboratory services connected with the care provided, but X-ray procedures are obtained at nearby Pattie A. Clay Hospital, with the customary fee charged to the patient. In addition, most medication connected with the care given is dispensed without charge to the student. The facility has an observation room with two beds for the evaluation and care of acute medical problems. There is a 16-bed infirmary for short term illness requiring overnight care. Students with illness requiring hospitalization will be referred to Pattie A. Clay Hospital or, if possible, to their family physicians for hospitalization in their home community.

All new students must submit a medical history form prior to admission. This becomes part of the student's health record which are kept confidentially at the SHS and are necessary to provide the proper medical care for students seen at the facility.

In addition to the SHS, the University provides instruction in hygiene, safety, and first aid.

COUNSELING CENTER

The University Counseling Center offers services designed to enhance the emotional development of students so they can achieve maximum benefit from their educational experience.

Psychologists and counselors provide individual counseling to assist students in their adjustment to personal and social development. When appropriate, psychological testing may be used to facilitate student self-understanding and realistic goal setting. Career counseling in groups for academic credit (GCS 199) is available each semester for students who are dissatisfied with or undecided about their career goals. A one-hour course entitled "Interpersonal Effectiveness Seminar" (GCS 198) is offered for the development of self-confidence and effective communication skills. In addition, psychiatric referral is available through the Center.

The counselor-student relationship is considered confidential and is carefully protected.

Students may make an appointment by calling or dropping by the Center or through referral from faculty, advisors, and friends.

STUDENT SPECIAL SERVICES

The purpose of the Office of Student Special Services is to assist students with disabilities and students returning to school following an interruption in their education in attaining their educational goals. The office also furnishes mobility maps and handicapped parking permits.

SPEECH-LANGUAGE-HEARING CLINIC

The Communication Disorders Program in the Department of Special Education offers services to students and to the community at the Speech-Language-Hearing Clinic in Wallace 269.

Diagnostic and clinical treatment services provided by the Speech-Language-Hearing Clinic include the following:

1. Screening for speech, language and hearing problems.
2. Assessment and treatment of articulation disorders, delayed or disordered language, stuttering, voice disorders including laryngectomy, speech and language problems resulting from stroke or head injury, language disorders related to learning disabilities, and speech and language problems of individuals in areas of exceptional ability such as mental retardation, cerebral palsy, cleft palate, hearing impairment, and emotional disturbance.
3. Identification of hearing impairment by pure tone and speech stimuli or special diagnostic testing as needed; remediation of the communication problem through selection and assessment of a hearing aid and/or aural rehabilitation, including auditory training, speechreading, and adjustment to hearing aid use.
4. Speech improvement for those for whom English is a second language.

FINANCIAL ASSISTANCE

Financial assistance is money or some other form of financial help that is available to help meet the costs of a College education. Eastern Kentucky University offers grants, loans, employment, entitlements, and scholarships. For further information regarding these programs, contact the Student Financial Aid office.

GRANTS

Grants are gift aid and do not have to be repaid.

The *Pell Grant* is a federal program which provides free money to students enrolled in an eligible program of study at approved postsecondary institutions. This program is intended to be the foundation of a student's financial aid package. A student can receive up to \$1900 from the Pell Grant program.

The *Supplemental Educational Opportunity Grant* (SEOG) is available to the exceptionally needy student. The amount of this award can range from \$200 to \$2,000 for the academic year based on the student's need and available funds.

The *State Student Incentive Grant* (SSIG) is awarded by the Kentucky Higher Education Assistance Authority to qualifying Kentucky residents who are enrolled as full time students. Grant amounts are \$300 or \$400, depending upon financial need.

STUDENT LOANS

The *National Direct Student Loan*. This loan program provides loans for students whose family income and family assets place a limitation upon resources for educational purposes. This is a low-interest bearing, long-term loan, interest-free while in school, serving with the Peace Corps, Vista, and the Armed Forces. The interest charge during the repayment period is 5%.

The borrower may discount 12.5% of the loan per year up to a period of four years for serving in the Armed Forces in a hostile area.

The borrower may also discount the loan up to 100% of the total loan, including interest, for teaching services in an economically deprived area.

Guaranteed Student Loans. Eastern Kentucky University is a participant in the Guaranteed Student Loan Program which endorses loans made by hometown financial institutions, or by the Kentucky Higher Education Authority to qualifying individuals who are currently enrolled or have been accepted for admission to Eastern Kentucky University. The application for such a loan must be endorsed by Eastern Kentucky University before submission to the bank or other financial institution.

Under this program, an undergraduate may be eligible to borrow up to \$2,500 a year and graduates up to \$5,000. The loan is interest free while the student is enrolled on at least a half-time basis. Applications and further information on the Guaranteed Student Loans may be obtained from the student's hometown lending institution or by writing the Student Financial Assistance office.

Student Aid Society Inc. Loan Fund. This fund is designed to help worthy students complete their education. It has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Small loans are available to upperclass students who are currently enrolled. Those having high scholastic records will be given preference in the granting of loans. This fund makes it possible for a student to borrow a small amount of money on a personal note at a legal rate of interest. Students who desire further information concerning the fund should get in touch with the Chair of the Student Aid Committee at (606) 622-4642.

STUDENT EMPLOYMENT

There is opportunity for student employment whereby a limited number of students may earn part of their expenses by working in the cafeteria, library, bookstore, post office, dormitories, administrative offices, University dairy and farm, maintenance department, and faculty offices.

Student labor should be limited so that work hours will not take too much of the student's study time. While 10 hours per week is the average labor load, circumstances may permit a student to work more hours. No student, however, should enter the University without sufficient money for the semester unless there is a definite guarantee of work to support him. For further information and application forms, write to the Student Financial Assistance office.

THE WORK-STUDY PROGRAM

Under a grant from the federal government, made possible by the Economic Opportunity Acts of 1964, eligible students may be employed on a part-time basis while in full-time enrollment at Eastern. This program supplements the part-time institutional program which has been in effect at Eastern for many years.

A student or prospective student from a low-income family is eligible for employment under the Federal Work-Study Program. The student must enroll for a minimum of 12 semester hours of course work each semester and maintain satisfactory academic progress.

Placement in jobs will depend upon the financial needs, skills, interests, and aptitudes of the student and the availability of positions open at a given time. Students may work up to 20 hours per week, depending upon their needs. Payments are made to the student employee on a semi-monthly basis.

ENTITLEMENTS

The *Veterans Program* at Eastern Kentucky University is approved by the Veterans Administration for the education

of veterans and their eligible dependents. Students concerned with veterans training should have, at the time of registration, a certificate of eligibility. This is secured from the regional office of the Veterans Administration. The University is responsible for the completion of certain Veterans Administration forms and for the other necessary information about students who receive this aid.

If you have completed courses while in the Armed Forces, ask the Registrar about the possibility of receiving credit for such courses.

Veterans Administration Benefits. War orphans, widows, children and wives of deceased and disabled veterans should contact the Veterans Administration, 600 Federal Place, Louisville, Kentucky. Application forms are available in the Veterans Affairs office. Veterans wishing to receive advance payments should notify the office of Veterans Affairs at least 30 days prior to the beginning date of classes.

For information concerning tutorial assistance or refresher courses, contact the office of Veterans Affairs at EKU.

Vocational Rehabilitation. This program offers assistance for students with physical handicaps of various kinds. Students who wish to consult with a representative relative to vocational rehabilitation should write the Department of Education, Department of Vocational Rehabilitation, Frankfort, Kentucky, for specific instructions.

STUDENT ORGANIZATIONS AND ACTIVITIES

With its concern for the whole student, the University provides many services and activities. The mental and physical health, the social and academic well-being, and the provision of a meaningful life experience for the student are goals of the entire faculty and staff.

The changing nature of the University community in its phenomenal growth precludes a complete listing of all organizations and activities that will be available during the year. Students will find the available organizations and activities listed in official campus publications such as the University Handbook for Students and in notices posted on bulletin boards and in *The Eastern Progress*.

SOCIAL ACTIVITIES

The University Center Board arranges a variety of social activities for the benefit of Eastern's students. Such activities as movies, dances, concerts, and parties are planned for the students' enjoyment. The school calendar lists all approved social activities. The Director of Student Activities and Organizations coordinates the activities on campus. Students have the opportunity to participate in a variety of leisure time activities.

STUDENT IDENTIFICATION CARD

When a full-time student registers at Eastern, he is given a combination identification-activity card bearing his photograph, student identification number, and signature.

Students must carry their I.D. cards at all times and produce them when requested by members of the University staff. The cards are used when drawing books from the library, cashing checks, and at University activities. Students are liable for disciplinary action for misuse of I. D. cards.

A fee will be charged for replacement if an activity card is lost. The loss of a card must be reported immediately to the Office of Student Activities and Organizations, Room 128, Powell Building.

ATHLETICS AND RECREATION

The University offers a varied athletic and recreational program for all students. It consists of extensive intercollegiate, intramural, specialized club and recreational activities.

Eastern Kentucky is a member of the Ohio Valley Conference and the National Collegiate Athletic Association.

Athletic teams play schedules representing major regional institutions in addition to regular conference competition and advance to national tournaments when they qualify.

Intercollegiate competition is sponsored for men in baseball, basketball, football, golf, tennis, swimming, cross-country, and track and field; for women, in basketball, cross-country, field hockey, tennis, track and field, and volleyball. Co-ed intercollegiate sports activity is offered in rifle.

The Intramural Recreational Sports Office offers programs in competitive team and individual sports, recreational free play, sport clubs, faculty-staff activities, and co-ed activities.

STUDENT ORGANIZATIONS

The student organizations, societies and clubs form an intrinsic part of the program of Eastern Kentucky University that provides academic, social and religious experiences. The student organizations at Eastern offer varied activities to encompass the interests of all students.

There are 140 student organizations under the following categories: honor societies, departmental organizations in each major, religious organizations, activity organizations, social sororities, social fraternities, and service organizations.

CULTURAL ACTIVITIES

Every effort is made at Eastern to surround the students with cultural advantages. The programs presented are planned as part of the student's education and much time and effort is put forth to provide programs that will be of benefit to students.

Concert Series are presented through the University Center Board. Students are admitted to fine arts and lecture series without charge, but they must present identification cards for admission. Charges are made for pop concerts. These programs feature some of the outstanding individuals and groups in the nation.

Art Exhibits, arranged by the Art Department, are on continuous exhibition in the Fred P. Giles Gallery, Jane F. Campbell Building. Every effort is made to include in the exhibits the works of major artists, past and present, from across American and around the world. Also included are the works of art students, art majors, and faculty. In addition, special exhibits are sometimes arranged for showing in the Student Union Building.

Church Affiliation is recognized as an important factor in the life of any student. Eastern is a state-supported institution and is, therefore, non-denominational. The University has a basic objective in helping to develop ethical character among all students. There is close cooperation between the institution and several fine churches in Richmond. Students are encouraged to attend church services in town. Eastern makes spaces available for several student church organizations to meet on the campus.

Presently, three downtown churches have student centers adjoining the campus. Other student centers will be built in the near future on sites which have already been purchased.

Plays presented by the University Players are a significant contribution to Eastern's cultural life. Three major productions each year, along with studio productions and a drama program in the summer, provide numerous opportunities in acting, directing, and technical theatre. Participation in every aspect of the theatre program is open to all students.

STUDENT PUBLICATIONS

The Milestone is the University yearbook. Published annually, this publication contains photographs and statistical records of events of the University year. The book is distributed during the last two weeks of the spring semester.

The Milestone has received numerous national awards in recent years and is ranked annually among the top student publications in the nation.

The Eastern Progress, weekly student newspaper, is the official student publication of the University, and all students are encouraged to take advantage of the journalism training offered by the *Progress*.

Aurora is a magazine of student writing published by its student staff to encourage interest in literary activity. *Aurora* accepts poems, one-act plays, short stories, prose sketches, and essays from any Eastern student. Cash prizes are awarded for the best works at the time of the spring publication.

STUDENT AUTOMOBILES

All motor vehicles which are parked on the campus must be registered with the University through the Division of Public Safety.

Students desiring to register a motor vehicle may do so only by presenting a valid operator's license and a motor vehicle bill of sale or registration receipt at the time of registration. The vehicle to be registered must be owned by the student or a member of his immediate family. In addition, all registered vehicles must meet all safety standards as prescribed by the Kentucky Department of Public Safety and the University.

Students who violate University parking regulations are subject to fine, and serious violations may result in revocation of parking privileges. Please consult Motor Vehicle Parking Regulations for further clarification of parking rules and procedures.

DIVISION OF CAREER DEVELOPMENT & PLACEMENT

Through the implementation of eight major services, the Division of Career Development and Placement, 319 Jones Building, assists students and alumni who are seeking employment and/or defining career objectives. Registration with the office through the filing of placement credentials is encouraged for graduating students and alumni.

Employment information, current job vacancy announcements, personal job referrals, and on-campus professional interviews are provided to assist those who are entering the employment market. Information on graduate and professional schools is also available. For individuals seeking career information, a professional staff is available to assist students on a one-to-one basis. The Career Information Resource Center, located within the facility, serves as a depository and dispensary of specific employment and career information. Part-time employment, summer employment, and information on internships are also available through the division. The office also has available a Guidance Information System (GIS), a computerized inventory of occupational fields; two-year, four-year, and graduate school information; financial aid sources; and military/civilian career opportunities.

Information on placement activities is available through the FYI, *The Eastern Progress*, academic and departmental personnel, bulletin boards, and other campus media.

THE ALUMNI ASSOCIATION

The Eastern Kentucky University Alumni Association serves as a vital link between the University and its graduates by maintaining records, communicating, and sponsoring programs and activities designed to enhance this relationship.

All Eastern Kentucky University degree recipients are automatically members of the Alumni Association. Life members and those paying annual dues are classified as "active," while non dues-paying members are carried as "inactive." Associate memberships for non-degreed individuals with an interest in the University are also available.

Alumni activities and programs are normally made avail-

able to active members of the Association. Two major activities are planned annually for all members, however. Homecoming, held each fall, features the 10 and 15 year reunion classes as well as other special interest group reunions. Alumni Day, held in the spring in connection with graduation, brings back the 70-, 60-, 50-, 40-, 30-, and 25-year classes and annually honors an Outstanding Alumnus recipient.

Other regular Association activities and programs include maintaining alumni chapters in three states and Washington, D.C.; offering alumni tours at reduced fares; publishing a biannual alumni magazine and periodic newsletters; arranging receptions or similar activities in conjunction with special University events; making available a life insurance program with low-cost group protection, offering book discounts from the University Press of Kentucky, and sponsoring the Alumni Scholarship program.

The Association's flexibility also allows occasional offerings of goods and services, such as the Alumni Directory and print sales, which keep alumni involved with the University and each other.

A member of the Council for the Advancement and Support of Education (CASE), the EKV Alumni Association is governed by 11 elected active graduates who serve for varying terms on the Alumni Executive Council, the governing body. The Director of Alumni Affairs serves as a permanent member of the Council.

PROVISIONS OF THE FAMILY EDUCATION AND PRIVACY ACT OF 1974 PUBLIC LAW 93-380

I. This is to serve notice to all students of Eastern Kentucky University of the rights and restrictions regarding the maintenance, inspection, and release of student records contained in the Family Education and Privacy Act of 1974. The University is composed of nine colleges and offers a wide variety of services to students. Each college and service requires the maintenance of some records concerning students enrolled in a particular college or participating in a non-academic service. The location and type of record maintained by the University depends upon the field of study or service in which the student is enrolled. The following is a list of the types of records maintained by the University and the name and position of the official responsible for the maintenance of each type record for undergraduate students.

A. Undergraduate records:

1. *Grade reports*
2. *Transcripts*
3. *Curriculum information*
4. *Application for graduation*
5. *Correspondence with students, if any*
6. *Withdrawal records, if applicable*
7. *Admission forms*
8. *ACT test scores*
9. *Student teacher evaluation, if applicable*
10. *Letters of recommendation, if applicable*
11. *Nominations for awards, if applicable*
12. *Biographical data*
13. *Evaluation forms, if applicable*
14. *Weekly student teacher logs, if applicable*
15. *Mid-term evaluation, if applicable*
16. *Records of school visitations, if applicable*
17. *Physical Education requirement waiver*
18. *Field training evaluations and correspondence, if applicable*
19. *Professional conduct agreements and liability insurance coverage*

B. In addition to the persons identified in paragraph C below, the following persons have access to pertinent student records: the student's advisor, academic deans, or equivalent University officials who have need of information

in order to carry out their official responsibility.

C. A list of persons and offices maintaining the above records is maintained in the office of the President and will be made available to students upon request.

II. Students have the right to inspect any and all records directly related to them except as follows:

A. Students do not have the right to inspect confidential letters of recommendation placed in their files before January 1, 1975. Students may waive their right to inspect such letters furnished the University after January 1, 1975.

B. Students do not have the right to inspect records maintained by the University Division of Public Safety.

C. Students do not have the right to directly inspect medical, psychiatric, or similar records which are used solely in connection with treatment of a student; however, they do have the right to have a doctor or other qualified professional of their choice inspect such records.

D. Students do not have the right to their parents' confidential financial statements.

III. A student or parent, whichever is applicable, shall have the opportunity of a hearing to challenge the contents of any University record on the ground that such record or records are inaccurate, misleading or otherwise in violation of privacy or other rights of the student and an opportunity for correction or deletion of any such record. If the student desires to challenge such a record, he shall do so by filing a written request in the office of the University Attorney stating which record is to be challenged and upon what ground. Such challenge of records shall be considered by the University Records Review Committee within a reasonable time not to exceed 30 days following such request. The student or parent will be allowed to present to the committee evidence, including witnesses, to the committee, in support of his challenge. This right to challenge also extends to former students of the University.

IV. The University shall not release student records to persons other than authorized University officials, to any individual, agency, or organization, other than the following, without the written consent of the student:

A. To other local educational officials, including teachers or local educational agencies who have legitimate educational interest.

B. To officials of other schools or school systems in which the student intends to enroll, upon the condition that the student be notified of the transfer and receive a copy of the record if desired and have an opportunity to challenge the contents of the record.

C. To authorized representatives of the Comptroller General of the U.S., the Secretary of HEW, or an administrative head of an educational agency, in connection with an audit or evaluation of federally supported programs.

V. The University shall not furnish in any form any personally identifiable information contained in personal school records to any persons other than those listed in paragraph IV above, unless there is a written consent from the student specifying records to be released, the reasons for such release and to whom, and with a copy of the records to be released to the student if desired, or in the event records are lawfully subpoenaed or otherwise judicially ordered, the University shall notify the student of such subpoena or judicial order in advance of the compliance therewith.

VI. All persons, agencies, or organizations desiring access to the records of a student shall be required to sign a written form which shall be kept permanently with the file of the student, indicating specifically the legitimate educational or other interest that such person, agency, or organization has in seeking the information.

VII. The University will release directory information to individuals, agencies, or organizations. Directory information includes the student's name, social security number,

address, telephone listing, dates of attendance, degrees and awards. It will also release grade point averages of students being considered for honorary societies, awards, or other honorary recognition. This information will be released unless the student or parent notifies the University that such information shall be released. Such notification should be sent to the office of the University Counsel.

VIII. Copies of student records, except official transcripts, will be furnished to the student at a cost of \$.25 per page.

IX. Parents of dependent students have a right to information concerning their children's grades without having to gain the student's consent.

GRADUATE ASSISTANTSHIPS

Graduate assistantships are available to unusually well qualified students in some departments. Duties may include laboratory supervision, teaching, and research-related tasks. Applications for assistantships may be obtained from the Dean of the Graduate School. Candidates for assistantships must be able to support applications with Graduate Record Examination scores.*

Graduate assistants who earn their assistance through work in the residence halls are required to live in dormitory housing provided by the University.

Students holding a graduate assistantship should not carry a combined teaching and course load in excess of fifteen semester hours. A non-teaching assignment of sixteen to twenty hours of work per week is considered the equivalent of a three-hour teaching load.

Applicants must meet all the requirements for admission to the Graduate School prior to being awarded an assistantship.

*Scores on the Undergraduate Record Examination for Eastern seniors are considered equivalent to "GRE" scores.

3 General Academic Information

CONTENTS

DEGREES AND PROGRAMS	19
APPLICATION TO THE GRADUATE SCHOOL	19
Application Form	
Transcripts	
Graduate Record Examination	
Letters of Recommendation	
TYPES OF ADMISSION	20
Unconditionally	
Conditionally	
Non-Degree	
Visiting Student	
Undergraduate Admission	
INTERNATIONAL STUDENT ADMISSION	20
GENERAL INFORMATION	20
Student Responsibilities	
Program Planning	
REGISTRATION	21

Pre-registration	
Change of Schedule	
Withdrawal from the University	
ACADEMIC LOAD	21
Transfer of Credit	
Graduate Course Credit	
DEGREE COMPLETION REQUIREMENTS	22
Admission to Candidacy	
Application for Master's or Specialist's Degree	
Language Requirements	
Time Requirements	
Minimum Hours Required	
Master's Thesis or Specialist's Project	
Comprehensive Examination(s)	
SECOND MASTER'S DEGREE REQUIREMENTS	23
SPECIALIST'S DEGREE REQUIREMENTS	23
JOINT DOCTORAL PROGRAMS	23
CATALOG APPLICABLE	23



DEGREES AND PROGRAMS

The Graduate School, in cooperation with the College of Applied Arts and Technology, the College of Arts and Humanities, the College of Business, the College of Education, the College of Health, Physical Education, Recreation and Athletics, the College of Law Enforcement, the College of Natural and Mathematical Sciences, and the College of Social and Behavioral Sciences, offers the following degree programs and options:

College of Applied Arts and Technology

- Master of Science degree
- Community Nutrition
- Industrial Education (3 options)
- Industrial Technology
- Specialist in Technology degree

College of Arts and Humanities

- Master of Arts degree
- English
- Master of Music degree
- with options in:
 - choral conducting, performance, and theory/ composition

College of Business

- Master of Business Administration degree

College of Education

- Master of Arts in Education degree
- Counseling
- with options in:
 - elementary and secondary
- Elementary Education
- with options in:
 - early childhood, gifted/talented, and reading
- Library Science Education
- Secondary Education
- with options in:
 - agriculture education, allied health sciences, art, biological sciences, business education, chemistry, earth science, English, French, general science, geography, gifted/talented, history, home economics, industrial education, mathematical sciences, music, physical education, physics, political science, psychology, reading, school health, sociology, and Spanish
- Special Education
- with options in:
 - hearing impaired, learning and behavior disorders, trainable mentally handicapped, and communication disorders
- Master of Arts degree
- Industrial and Community Services
- with options in:
 - rehabilitation counseling
- Student Personnel Services in Higher Education
- Master of Music Education degree
- Specialist in Education degree
- Educational Administration and Supervision
- Elementary Education
- Physical Education
- School Counseling
- Special Education
- Student Personnel Services in Higher Education
- Fifth and Sixth Year Certification for Teachers and School Service Personnel
- Directors of Pupil Personnel
- Elementary and Secondary Principals
- School Business Administrators
- School Media Librarian
- School Psychology
- Superintendents

Supervisors

Teacher Certification

Joint Doctoral Program in Education
(Joint Ed.D. programs are offered cooperatively with the University of Kentucky.)

College of Health, Physical Education, Recreation and Athletics

- Master of Science degree
- Physical Education
- with option in:
 - sports administration
- Recreation and Park Administration

College of Law Enforcement

- Master of Science degree
- Criminal Justice
- with options in:
 - corrections, criminal justice education, police administration, and loss prevention administration
- Joint Doctoral Program
- (Joint Ed.D. program in Criminal Justice Education is offered cooperatively with the University of Kentucky.)

College of Natural and Mathematical Sciences

- Master of Science degree
- Biological Sciences
- with option in:
 - applied ecology
- Chemistry
- Geology
- with options in:
 - hydrogeology, mining, and petroleum
- Mathematical Sciences
- Physics
- Joint Doctoral Program
- (Joint Ph.D., program in Biological Sciences is offered cooperatively with the University of Kentucky.)

College of Social and Behavioral Sciences

- Master of Arts degree
- General Psychology
- Geography
- with options in:
 - community development and planning
- History
- Political Science
- Master of Science degree
- Clinical Psychology
- School Psychology
- Master of Public Administration degree
- with options in:
 - community development, community health administration, and court administration

APPLICATION TO THE GRADUATE SCHOOL

Admission to the Graduate School at Eastern Kentucky University is based upon evidence that the applicant has already attained a certain minimal academic proficiency and will be able to pursue creditably a program of graduate study in a given field. Applicants must assume responsibility for filing complete admission data with the Office of the Graduate School including the following materials:

Application Form — Each student must submit a completed, signed application form with all requested information provided. Forms are available upon request from the Graduate School. There is no application fee.

Transcripts — Two *official* copies of transcripts of all previous college/university credits showing all grades received and any degrees or certificates that have been awarded must be provided by each applicant. An official transcript must bear the seal and signature of the registrar from the

sending institution. Graduates from all schools other than Eastern Kentucky University should contact their registrar(s) and request that official copies of their transcripts be forwarded directly to the Graduate School. Students seeking admission must be graduates of a fully accredited four year institution of higher learning authorized to grant the baccalaureate degree. *The University minimum undergraduate grade point ratio acceptable for admission to a degree program is 2.4 overall (4.0 = A).*

Graduate Record Examination — All applicants for admission to degree programs (except MBA) must submit satisfactory *official* score reports from the general section of the Graduate Record Examination (GRE) at the time of application for admission to graduate studies. Certain domestic students who have not had prior opportunity to take the GRE may be admitted conditionally for one semester provided they take the test during their initial semester as a graduate student. Some programs require area scores in the subject field in addition to the aptitude section of the exam. Students who are applying for a Master of Business Administration degree must provide *official* scores on the Graduate Management Admission Test (GMAT). Applications to take these exams must be sent to Educational Testing Service, Box 955, Princeton, New Jersey 08540. Application forms are available in the Graduate School office. It is the student's responsibility to apply for and take the examination(s) and to have the official scores sent to the Dean of the Graduate School, Eastern Kentucky University, Richmond, Ky 40475-0931.

Letters of Recommendation — Applicants for degree programs who have graduated from a college other than Eastern should solicit three letters of recommendation from previous teachers and request that they be mailed to the Graduate School office as soon as possible. Applicants for assistantships cannot be considered until letters are on file and certain programs will withhold admission until letters have been received. Please refer to program areas for specific requirements regarding letters of recommendation.

TYPES OF ADMISSION

Domestic students may be admitted to graduate study in any one of several categories.

Unconditionally — Students who meet the requirements for both general admission to graduate study and for a particular program.

Conditionally — Students who meet certain requirements for admission to graduate study, but fail to satisfy one or more special requirements for admission to a particular program. These students may be classified temporarily as non-degree students.

Non-Degree — Students who do not meet general degree requirements or who do not wish to work toward a degree program but may wish to use the graduate hours for personal or certification renewal purposes. *Non-degree students must hold a baccalaureate degree from an accredited institution and must have a minimum overall undergraduate g.p.a. of 2.0 (4.0 = A).*

Visiting Student — Because of its unique programs and facilities, faculty, diversified institutes and workshops, Eastern is attractive to many students who have been previously admitted to other accredited graduate schools. In order for Eastern to officially enroll a visiting student for graduate credit, the student must file an application form and submit an official Visiting Student Certificate. The Visiting Student Certificate must bear the signature and seal of the graduate dean of the graduate school where the student has been admitted. Copies of the visiting student forms may be obtained from the Graduate School office.

Undergraduate Admission — An Eastern undergraduate student who needs not more than nine semester hours in

one semester (or three semester hours in one summer session) to complete all of the requirements of baccalaureate degree may be allowed to register for graduate credit work under the conditions described below.

All work for undergraduate credit will be completed during that semester or summer session.

The total registration for all work will not exceed 12 semester hours in a semester (or six semester hours in a summer session).

All work to be counted for graduate credit must be approved *in advance of registration* by the graduate program advisor, the student's undergraduate college dean, and the Dean of the Graduate School. Approval forms should be shown at the time the graduate courses are approved and again at the time fee calculation is done. Approval Forms for Undergraduate/Graduate Concurrent Enrollment may be obtained from the Graduate School office. The student must make application to the Graduate School and meet all pertinent conditions for admission. Graduate credits earned must not be used to meet undergraduate requirements.

INTERNATIONAL STUDENT ADMISSION

International students who meet specific program requirements and for whom Eastern has appropriate programs at the graduate level are invited to make application. Such applications must be supported by satisfactory evidence of their qualifications to pursue a full course of study at this institution. Applications for admission of international students are not considered complete without official transcripts showing grades and degree(s) awarded, *official* Test of English as a Foreign Language (TOEFL) scores, *official* scores of the verbal and quantitative portions of the Graduate Record Examination (GRE), Declaration and Certification of Finances and three letters of recommendation. Students who are applying for a Master of Business Administration program must provide *official* scores on the Graduate Management Admission Test (GMAT). Each of these examinations is given in a large number of centers throughout the world. Specific information on center locations, test dates, fees, and application materials should be requested from Educational Testing Service, Box 955, Princeton, N. J. 08540. U.S.A.

International students should apply several months in advance of their expected attendance date. Appropriate I-20 or DSP-66 forms will be issued after all official credentials have been received and the complete application has been reviewed and approved by the major department. The U.S. Immigration and Naturalization Service requires certification that all standards for admission have been met *before* the I-20 form is issued. International students are required to complete their admissions procedures at least 30 days prior to the term in which they expect to enter.

GENERAL INFORMATION

Eligibility for admission to the Graduate School does not insure admission to a specific graduate program. Some programs may have additional requirements beyond the university minimums. All students who intend to pursue a particular graduate program should refer to the specific program requirements listed in the college and/or department section of this Catalog.

All programs assume certain formal and informal prerequisites. Normally any deficiencies in preparation must be resolved during the first enrollment.

No student may receive graduate credit for a course without admission to the Graduate School.

The Graduate School reserves the right to withdraw without credit or refund any student for whom application is incomplete at the end of the first enrollment.

Student Responsibilities

It is the student's responsibility to become familiar with

all regulations and procedures required by the graduate program being pursued. In no case should a student expect waiver or exception to published program requirements by pleading ignorance to the regulation or asserting that an advisor or other authority did not directly present the information. All students should become familiar with the general academic information section of the Graduate Catalog and the specific college/departmental program requirements. Only the Graduate Council has the authority to waive the basic requirements stated in this Catalog. No statements made by any person regarding waiver of admission/program requirements shall in anyway bind the Graduate Council.

Program Planning

After receiving notification of admission to the Graduate School and of the appointment of an advisor or graduate committee, the student should take the initiative to contact the advisor and discuss his objectives carefully. This conference should take place after the student has become familiar with program purposes and pertinent regulations as they are described in the Catalog and *before* registration. When prior conferencing is not possible, the student may obtain approval for the first semester's work in writing or on registration day. However, *the complete program should be developed during the first semester of enrollment. Students will not be permitted to enroll in any of the last 18 hours of a degree program if their candidacies have not been approved.*

REGISTRATION

Graduate students should register on the dates stipulated in the University calendar. Registration materials should be obtained from the office of the Graduate School. The advisor should approve and initial the registration form. The advisor and student bear responsibility for courses scheduled, subject to the policies and approval of the Graduate School. The student is responsible for clearance of motor vehicle, housing arrangements, and payments of all fees and assessments in accordance with prevailing University policy.

Students with interruptions of study on campus who wish to participate in registration should notify the Graduate School of their plans to continue study, furnishing full names and Social Security numbers, *at least two weeks in advance of the published registration dates.*

Early Registration

Graduate students in good standing and new students admitted to their programs have the opportunity to register early for the summer semester, the fall semester and spring semester. Registration materials may be picked up in the office of the Graduate School and classes selected in conference with the advisor on the following schedule (approximate):

Summer Semester	mid-April
Fall Semester	mid-April
Spring Semester	early-December

Students with interruptions of study on campus who wish to participate in early registration should notify the Graduate School of their plans to continue study, furnishing full names and Social Security numbers *at least two weeks in advance of the times specified above.* Full-time students should watch FYI, Eastern Progress, and bulletin boards for dates on registration.

A prerequisite to pre-registration is pre-advisement. The Graduate School reserves the right to suspend or alter registration orders not in consonance with the individual's planned program or in the instance of closed or cancelled sections. Program modifications necessitated by early registration should be accomplished through the regular drop-add procedure on the dates designated.

Change of Schedule

The University reserves the right to cancel a course when the registration is not sufficient to warrant its continuance, to divide classes if the enrollment is too large for efficient instruction, and to change instructors when necessary. Additional courses will be organized if the demand is sufficient.

Withdrawal From The University

Students who find it necessary to leave the University under any conditions must obtain and complete an official Withdrawal Card from the Office of Student Affairs. Students not officially withdrawing shall receive grades of "F" for the semester's course load.

ACADEMIC LOAD

A *maximum* academic load of 15 hours is considered permissible during the regular fall or spring semester for exceptional graduate students. Graduate assistants are permitted to carry a maximum course load of 12 hours. During the summer session, nine hours are considered maximum. Various combinations of workshops, short term courses, and regular summer courses are permissible provided the total contact hours during any single instructional day does not exceed four instructional hours. Any exceptions to maximum load limits stated must be made by the Dean of the Graduate School. Maximum hour limitation includes *all* courses taken — whether they are on campus, off-campus, graduate, undergraduate, or audit credit.

A *minimum* academic load of six semester hours of credit shall be regarded as full-time during an eight-week summer term and a minimum of nine hours of such credit shall be regarded as a full academic load during a regular fall or spring semester.

During any regular fall or spring semester, an academic load of six graduate hours is considered the maximum permissible for any student who is employed on a full-time basis during that semester. Any graduate student found to be in violation of this policy will not be permitted to use any credits beyond the six hours limitation toward fulfillment of any program or degree requirements at Eastern Kentucky University.

Transfer Of Credit

Candidates for the master's and specialist's degrees are restricted to a maximum of nine semester hours of credit by transfer of work completed at another accredited graduate institution. Official copies of transcripts must be submitted and evaluated before any transfer credit can be accepted. Certain courses submitted for transfer may not be considered equivalent to specified program requirements even though course titles are the same. Official requests for transfer of credits must be recommended by the student's advisor, the department chair, and approved by the Graduate School. Students who expect to transfer credits to meet program requirements at ECU should obtain official approval *prior* to registration for transfer courses. Official transcripts of approved transfer credits must be submitted to the Graduate School at least 2 weeks prior to program completion. Transfer credits taken during the final semester of a program will delay graduation and certification approval until official transcripts have been received in the Graduate School office.

Credits earned at other institutions may be transferred only when grades of "B" or better have been earned.

Graduate Course Credit

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students

who have previously taken the undergraduate counterpart of these course at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Courses numbered in the 800 series are open only to graduate students.

Correspondence courses from any source are not applicable for graduate credit.

Graduate level courses are expected to require a *minimum* of four hours of outside preparation for every hour of lecture. Course syllabi are to reflect these expectations. At the graduate level, the minimum expectation is for the average graduate student to earn a grade of "B".

A grade of "I" shall be assigned if in the opinion of the instructor the student has been unable to complete the course on time because of unavoidable conditions. An "I" must be made complete within one month after the student reenters the University. Otherwise, a grade of "F" is assigned. If the student fails to reenter the University within one year, an "I" becomes an "F".

DEGREE COMPLETION REQUIREMENTS

Admission To Candidacy

Graduate students must be admitted to candidacy to be considered eligible for the master's degree. All qualified degree-seeking students should initiate candidacy proceedings through their advisors during their first semester of graduate enrollment. A complete plan of studies for the program shall be devised, recommended by the advisor, and filed with the committee chair, department and/or college, and submitted to the Dean of the Graduate School for approval. Subsequent changes to the candidacy form may be permissible but must be approved on the appropriate form by these parties.

All conditions for admission to the Graduate School and any prerequisites must have been satisfied before the candidacy application may be approved. Graduate Record Examination scores for the combined aptitude tests and the department requirements for advanced tests shall have been satisfactorily met. Master of Business Administration (MBA) candidates must have satisfactorily completed the Graduate Management Admissions Test. No student shall become an approved candidate without a minimum graduate grade point standing of 3.0. No graduate credit shall be granted for a grade below "C". Students may repeat a course to improve standing only with explicit permission of their advisor and the Dean of the Graduate School.

When the candidacy is approved, the student is notified that he is a candidate for the degree program. After becoming a candidate, students are eligible to file applications for graduation. Applications for graduation must be received in the Graduate School prior to the semester in which the program completion is expected. Graduation application forms are available upon request from the Graduate School office. Refer to the following section for complete details concerning applications for graduation.

Students should note that it is their responsibility to initiate candidacy proceedings through their advisors as soon as they have enrolled in their first graduate classes. *If they fail to exercise this responsibility prior to completion of the first 12 hours of graduate coursework, they may not re-enroll until candidacy proceedings have been completed. Students will not be permitted to enroll in any of the last 18 hours of a degree program if a candidacy has not been approved.* Admission to candidacy must be completed prior to scheduling of the comprehensive examinations.

Application For Master's Or Specialist Degree

A student planning to receive the master's or specialist's degree in May should apply before the end of the preceding fall semester. Candidates for the August Commencement should apply not later than the beginning of the spring semester. Applications should be filed in the office of the

Graduate School. Fees are to be paid at the Business Office and receipts presented in the office of the Graduate School at the time the applications are filed. *Applications received after the published deadlines will automatically be changed to the next graduation list.*

Students will be considered candidates for graduation only if they have an overall graduate grade point average of 3.0 or higher at the inception of the term prior to their scheduled commencement.

Language Requirements

In graduate programs requiring competence in a foreign language, the requirement may be met in one of three ways: (1) 12 hours of college credit in an appropriate language may be accepted; (2) a reading examination may be taken covering material appropriate to the discipline; (3) achievement of a grade of "B" in a designated course will be accepted as meeting the requirement.

Students must satisfy the language requirement prior to scheduling of the comprehensive examinations. Certain programs may require statistical competences in lieu of a foreign language requirement.

Time Requirements

A graduate student is expected to complete requirements for the master's degree no later than five years after beginning course work. The minimum time interval required for completion of a graduate degree shall be two semesters of full-time study.

Minimum Hours Required

All master's degree programs and specialist's degree programs require a minimum of 30 semester hours each. Some programs require additional hours that exceed this minimum.

At least half the course work required for a master's degree program must be satisfied with courses open only to graduate students (800 level). All credit applied to the Ed.S. degree must be in courses numbering 800 and above.

Master's Thesis Or Specialist's Project

Students who submit a thesis in partial fulfillment of the master's or specialist's degree must prepare it in conformity with the regulations approved by the Graduate Council. Two approval pages bearing original signatures of the graduate committee must be included with two typewritten, clear, unbound copies of the thesis and presented to the Graduate School office at least *two weeks* prior to Summer Commencement and *three weeks* prior to the end of the Fall and Spring Semesters. These two copies are bound and become the property of the University Library. If any additional bound copies are desired by the student or the department, they should be presented directly to the Library or a commercial bindery.

Theses must be on paper of at least 50 per cent rag or cotton fiber content and must be in a form acceptable to the Graduate School. **Instructions for the preparation of thesis should be obtained from the Graduate Office before the thesis is typed.**

Theses must be developed under the direction of a member of the Graduate Faculty.

Comprehensive Examination(s)

All candidates shall perform satisfactorily on a written and/or oral examination of the contents of their program of studies. In some instances, the defense of the thesis shall suffice. Particulars are specified by program. Comprehensives are not to be given prior to admission to candidacy. Comprehensives are scheduled *after application for the degree has been filed* and evidence exists indicating that the student should complete all degree requirements during the term in question. Committee chairs should file the Scheule of Oral/Comprehensive Examination in the Gradu-

ate School office with copies to the student and committee members at least *two weeks prior to the examination*.

Committee chairs shall certify satisfactory completion of the comprehensives to the Dean of the Graduate School no later than ten days in advance of Commencement.

A review period of not less than 60 days nor more than one year is required of candidates who fail the comprehensive initially.

Additional courses or thesis work may be required of a failing student. Comprehensive exams may not be retaken more than once for the master's or specialist's degrees.

SECOND MASTER'S DEGREE REQUIREMENTS

Students desiring to pursue a second master's degree at Eastern Kentucky University shall have completed all requirements for the first master's degree at Eastern or other accredited university. In general, the same basic requirements for general admission, admission to candidacy, and other conditions previously stated in this catalog relative to the first master's degree are also applicable to the second degree with the following exceptions:

1. A maximum of 12 semester hours of completed graduate work from the first master's degree may be applied toward the second degree if such courses are appropriate for the second program and are approved.

2. If the second master's degree involves certification (e.g., the Master of Arts in Education degree), all requirements for the certificate must be met prior to admission to candidacy.

Candidates for a second master's degree should file application for admission to graduate school and identify their second program prior to registration for additional coursework. The student should then contact the assigned advisor from the department offering the second program and plan a complete program of studies. Individual programs have specific requirements which must be met before pursuing a second master's degree. Normally, any deficiencies in preparation for a second master's degree must be resolved during the first enrollment.

SPECIALIST DEGREE REQUIREMENTS

The University offers advanced graduate work leading to the Specialist's degree. Beginning graduate students interested in two-year programs with special preparation for teaching or professional service opportunities in post-secondary technical schools, junior or senior colleges should seek early advisement in order to assure proper program development.

Candidates for specialist degrees must possess an overall undergraduate grade point average of at least 2.5.

Candidates for specialist degree status must offer an overall graduate grade point average of 3.3.

Prior to admission to candidacy for the Specialist's degree, the student must present a score on the combined aptitude tests of the Graduate Record Examination at the level of the 65th percentile, a value derived from scores achieved by Eastern seniors within programs.

Students should refer to the appropriate college/department section for specific admission and program requirements.

Eighteen hours of course work must be completed prior to graduation after admission to candidacy for the degree.

JOINT DOCTORAL PROGRAMS

Eastern Kentucky University, in cooperation with the University of Kentucky, offers joint doctoral programs in education, criminal justice education, and biological sciences. Qualified graduate students who have completed their master's programs at Eastern have an opportunity to continue with a joint doctoral program in these three areas. The final doctoral degree is awarded by the University of Kentucky.

Admission to the program is considered by a joint screening committee selected from faculty representing the two institutions.

The candidate may continue in residence at Eastern Kentucky University for one school year, completing a maximum of 30 semester hours beyond the master's degree prior to transfer to the University of Kentucky.

Throughout the program term, the student shall be enrolled in both schools but will pay fees only to the resident University.

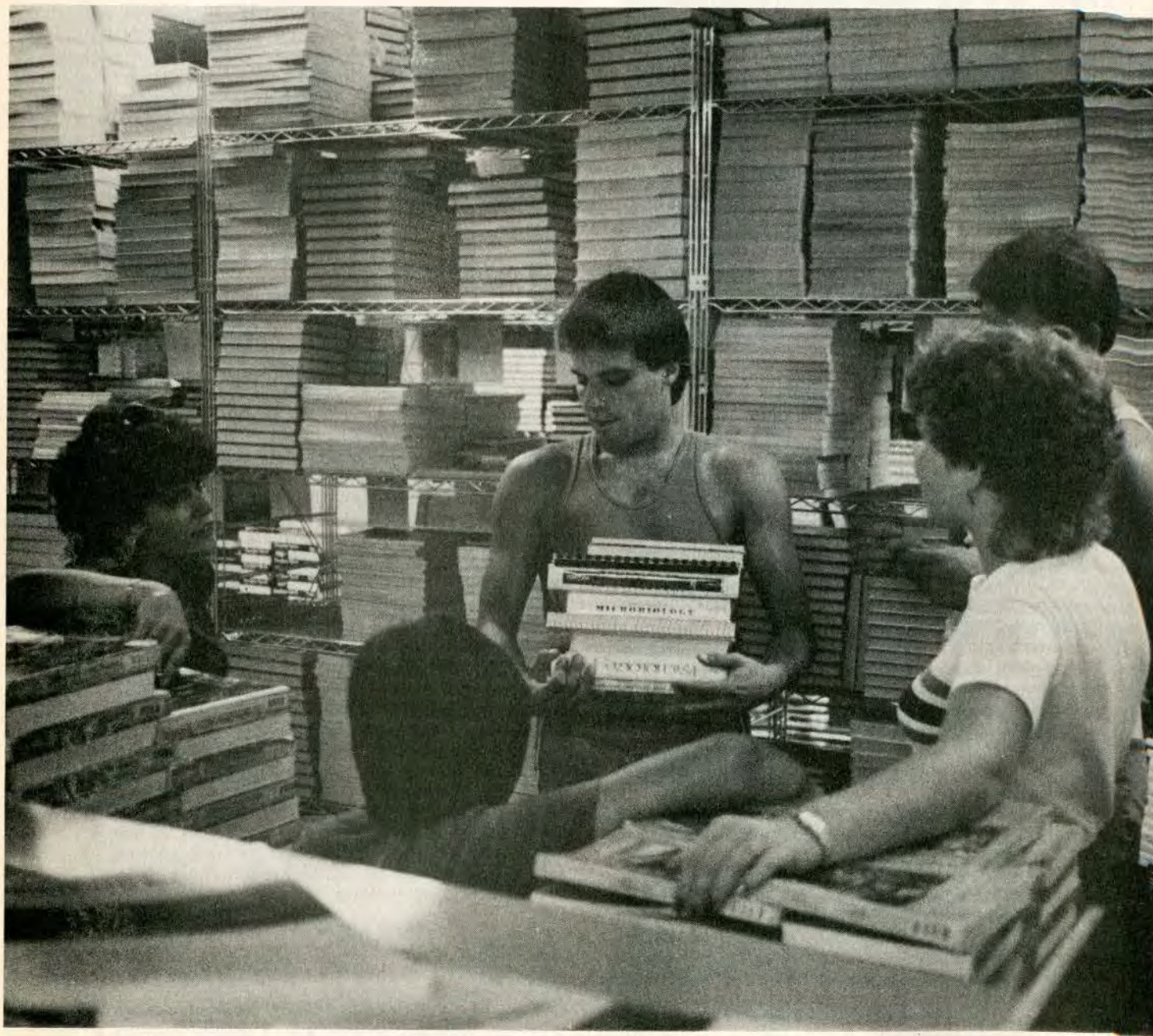
CATALOG APPLICABLE

A student will be governed by the catalog in force during the school year in which he is officially admitted to a graduate program unless he interrupts resident status at this institution for more than one calendar year, in which case he comes under the requirements of the catalog in force at the time of readmission. A student may elect to comply with the catalog currently in force. Exceptions to this policy must be approved by the Dean of the Graduate School.

4 Academic Divisions

CONTENTS

College of Applied Arts & Technology	25	College of Health, Physical Education, Recreation & Athletics	57
College of Arts & Humanities	31	College of Law Enforcement	61
College of Business	36	College of Natural & Mathematical Sciences	63
College of Education	40	College of Social & Behavioral Sciences	72



College of APPLIED ARTS AND TECHNOLOGY

KENNETH S. HANSSON, Dean

Departments within the College of Applied Arts and Technology offer programs leading to the Master of Science degree in community nutrition, industrial education, and industrial technology, and to the Specialist in Technology degree in industrial education.

The Departments of Agriculture, Home Economics, and Industrial Education and Technology provide specialized courses in support of graduate programs in their respective disciplines leading to the Master of Arts in Education degree. Graduate courses are also offered in the Department of Mass Communications.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

DEPARTMENT OF

AGRICULTURE

DWIGHT G. BARKLEY, Chair

The Department of Agriculture provides courses at the graduate level in technical agriculture and horticulture. Students receiving graduate credit must meet additional specified requirements.

The Master of Arts in Education degree with an option in agriculture education is offered in the College of Education with the cooperation of the Department of Agriculture. The regulations for the degree may be found in the College of Education section of this Catalog.

Course Descriptions

AGR — AGRICULTURE

701 Special Problems in Agriculture. (3) A. A course for graduate students involving independent study and research related to problems of a theoretical and/or practical nature. May be retaken once for a total of 6 hours.

770 Advanced Study in Technical Agriculture. (3-9). Advanced technical study with emphasis upon updating technology and development of understanding and technical competency in:

770B Agricultural Mechanization. (3) A.

770D Farm Livestock Management. (3) A.

777 Workshop in the Conservation of Natural Resources. (3) A. For teachers returning for graduate work. Instruction is given in the areas of soil, water, fish and wildlife, forest conservation, and methods of teaching related units at the elementary and junior high level.

807 Advanced Technical Study in Agriculture Problems. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, workshop, special topics, research problems, or seminars. May be retaken for a total of 6 hours.

OHO — ORNAMENTAL HORTICULTURE

807 Advanced Technical Study in Horticulture Problems. (1-3) A. Prerequisite: advisor/departmental chair approval. Independent

work, workshop, special topics, research problems or seminars. May be retaken for a total of 6 hours.

DEPARTMENT OF

HOME ECONOMICS

BETTY C. POWERS, Chair

The Department of Home Economics offers the Master of Science degree in community nutrition which is designed to prepare professionals for nutrition positions in a variety of community health agencies.

The Department of Home Economics provides courses at the graduate level in child and family studies; general home economics; interior design and housing; nutrition, foods, and food administration; and textiles, clothing, and fashion.

The Master of Arts in Education degree with an option in home economics education is offered in the College of Education with the cooperation of the Department of Home Economics. The requirements for the M.A.Ed. degree may be found in the College of Education section of this Catalog.

Special Program Requirements

Community Nutrition

MASTER OF SCIENCE

Admission. — Applicants must meet general requirements for admission to the Graduate School. In addition a minimum combined score on the verbal and quantitative sections of the GRE at the 20th percentile for community nutrition majors on ECU norms will be required.

Prerequisites — Students who have completed an undergraduate degree in nutrition or dietetics comparable to that required at Eastern Kentucky University will be admitted. Students from other majors will be admitted, however, they will be required to make up deficiencies in the undergraduate nutrition or dietetics program. Students must complete the following prerequisites prior to admission to candidacy: BIO 301-Physiology; NFA 301-Bionutrition or CHE 330-Introductory Biochemistry; and NFA 302-Diet Therapy, or NFA 502 or 702-Therapeutic Nutrition and NFA 503 or 703-Clinical Experience for Therapeutic Nutrition, or their equivalents.

These requirements could be met while enrolled in the program. Non-dietetic majors desiring to meet Plan IV minimum academic requirements for the American Dietetic Association may need additional courses.

Candidacy — In order to receive recommendation for admission to candidacy, the student must:

Have satisfactorily completed the Graduate Record Examination.

Maintain a 3.0 grade point average through all graduate hours.

Have completed all background deficiencies as indicated.

Comprehensive Examinations — A written comprehensive examination on related coursework and an oral exam-

ination at the conclusion of the field experience are required. Refer to the General Academic Information section of this Catalog for complete degree completion requirements.

Program — A minimum of 30 semester hours of graduate credit is required. The components of the program include: (a) advanced nutrition, (b) public health and community nutrition administration (c) behavioral science and education and (d) applied experiences in clinical nutrition and community agencies. Concurrent field experiences and a full time eight-week block field experience are required components of this program.

Advanced Nutrition	9 hours
Choose 3 courses from the following:	
NFA 705 Maternal and Infant Nutrition	3 hours
NFA 707 Child and Adolescent Nutrition	3 hours
NFA 709 Nutrition and Aging	3 hours
NFA 801 Advanced Nutrient Study	3 hours
NFA 802 Advanced Diet Therapy	3 hours
NFA 804 Nutritional Assessment	3 hours
NFA 841 Volume Foodservice Management	3 hours
Public Health and Community Nutrition	
Administration	9 hours
NFA 811 Advanced Community Nutrition	3 hours
NFA 820 Community Nutrition Administration	3 hours
HEA 755 Epidemiology	3 hours
Behavioral Science and Education	6-9 hours
BIO 710 Quantitative Biology	
or	
EPY 842 Statistical Methods I	3* hours
EPC 802 Counseling Psychology	
or	
EPC 846 Techniques of Counseling	3 hours
EDF 869 Research in Education	3 hours
Applied Experiences in Clinical Nutrition	
and Field Work	6 hours
NFA 817 Field Experience in Clinical	
Community Nutrition	6 hours
Total Curriculum Hours (minimum)	30 hours

*Not required if statistics course taken in undergraduate program.

Course Descriptions

CDF — CHILD AND FAMILY STUDIES

733 Marital Communications. (3) A. Prerequisite: instructor approval. The married person, self-concept and self-system in relation to communication; techniques of family communication. Credit will not be awarded for both 733 and 533.

734 Parenting. (3) A. Formerly CDF 633. Prerequisite: CDF 132, 241, 244, or equivalent; approval of instructor. A survey of techniques designed to promote effective parenting skills. The course will focus on methods of parent guidance and common problems encountered by parents at all stages of the child-rearing sequence. Credit will not be awarded for both 734 and 534.

737 Marital and Family Relationship in the Retirement Period. (3) A. Formerly CDF 537. Prerequisite: instructor approval. The senior citizen and the transition in family ties, anxieties, attitudes, behavior, and marital life. Credit will not be awarded for both 737 and 537.

738 Seminar in Family Life. (1-3) A. Formerly HEC 505; HEC 538. Prerequisite: instructor approval. Students will concentrate their interests in an intensive study of specific areas of the family and its interpersonal relationships. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

747 Organization and Administration of Preschools. (3) II. Formerly HEC 507, 547. Prerequisite: CDF 345. Study of the history of preschool education and its present organization and administration. Credit will not be awarded for both 747 and 547.

748 Seminar in Child Development. (1-3) II. Formerly HEC 504, 548. Prerequisite: CDF 241, 341, and 6 hours in CDF. Current concepts and trends in child development; recent research and literature. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

749 Special Problems in Child Development. (1-3) A. Formerly HEC 549. Prerequisites: CDF 548 or 748 and instructor approval. The student chooses a problem and works under the supervision of the instructor. May be taken to a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

831 Relationships in Marriage and Family. (3) A. Prerequisite: instructor approval. The attitudes and behaviors of husband and wife as related to psychological and physiological responses within the family.

HEC — HOME ECONOMICS

750 Home Economics Workshop: (1-6) A. Workshops on selected topics in home economics. May be retaken for a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

755 Seminar in Consumer Economics. (3) A. Prerequisite: HEC 352 or equivalent. Reports and discussion on topics of concern to consumers; legislation affecting consumerism; resources available to consumers, consumer rights and responsibilities. May be retaken for a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

756 Special Problems in Family Economics and Management. (1-3) A. Formerly HEC 566 a, b, c; HEC 456 a, b, c. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. May be retaken for a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

IDH — INTERIOR DESIGN

717 Interior Design Study Tour II. (1-3) A. Prerequisite: instructor approval. Tour of interior design resources, wholesale, and retail showrooms. Study in museums, libraries, and interior design centers when possible. Special study projects. May be retaken for a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

719 Special Problems in Interior Design. (1-3) A. Prerequisite: IDH 426 or equivalent. An appropriate problem is proposed in consultation with an advisor/instructor and completed under supervision. May be retaken for a maximum of 6 hours. Students having received credit for the course at the 500 level make take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

721 Analytical Furniture Design. (3) A. Prerequisite: IET 332 or instructor approval. Analysis of furniture design in terms of integration of function and style with structure; coordination of furniture style with interior architectural expression. Credit will not be awarded for both 721 and 521.

725 The Decorative Arts. (3) A. Furniture and accessories of the 18th, 19th, and 20th centuries with emphasis upon the influence of major designers and their interpreters, their stylistic characteristics and technical habituations. Credit will not be awarded for both 725 and 525.

826 Experimental Design and Architectural Interiors. (3) A. Prerequisite: instructor approval. Extension of design principles to craft components of environment, including contracting for individ-

ual products and coordination of elements in interiors for specified commercial and residential goals.

NFA — NUTRITION, FOODS, AND FOOD ADMINISTRATION

700 Nutrition Concepts and Issues. (3) A. Fundamental principles of human nutrition and their application in meeting nutritional needs of all ages. Not open to dietetic or foodservice administration majors. Credit will not be awarded for both 700 and 500.

701 Human Nutrition. (3) I. Prerequisite: CHE 330 or NFA 301, BIO 301. Interrelations and functions of nutrients in normal nutrition; relation of nutrient requirements at the cellular level to dietary standards. Credit will not be awarded for both 701 and 501.

702 Therapeutic Nutrition. (3) II. Formerly HEC 406, 506. Prerequisite: NFA 217, NFA 301 or CHE 330, NFA 501 or 701 or equivalent. Theory and applications of the normal dietary patterns and specific modifications according to disease processes. Integrates nutritional management, physiological, and biochemical alterations for pathological disorders. Credit will not be awarded for both 702 and 502.

703 Clinical Experience for Therapeutic Nutrition. (1) II. Corequisite: NFA 702. Supervised clinical experience in acute and long term health care facilities, in which the student will participate in patient interviewing, counseling, observing, and communicating with clinical dietetic professionals, nursing, and other health professionals. Credit will not be awarded for both 703 and 503.

705 Maternal and Infant Nutrition. (3) A. Formerly NFA 403, HEC 410. Prerequisite: NFA 201. Nutritional requirements prior to and during pregnancy, lactation, and infancy. Survey the effects of dietary toxicants, deficiency, and excesses of nutrients. Field experience. Credit will not be awarded for both 705 and 505.

707 Child and Adolescent Nutrition. (3) A. Prerequisite: NFA 201. Nutritional needs, problems, dietary habits, and motivations of the toddler through adolescent years. Field experience. Credit will not be awarded for both 707 and 507.

709 Nutrition and Aging. (3) A. Prerequisite: NFA 201. The theories of causes of aging; nutritional requirements, dietary intakes, and effects of nutrition on the rate of biological aging. Field experience. Credit will not be awarded for both 709 and 509.

711 Community Nutrition. (2) II. Formerly NFA 404, 503. Prerequisite: NFA 201. Analysis of nutrition services and legislation. Survey of roles of the nutritionist in various community settings. Development of resource file and preparation of nutrition education materials for use with different population groups. Planning and conducting nutrition surveys and analysis of data. Credit will not be awarded for both 711 and 511.

712 Laboratory for Community Nutrition. (1) II. Prerequisite: NFA 201 and concurrent enrollment in NFA 711. Supervised field experience including observation and participation in various community programs and settings. Experiences in individual and family nutrition counseling. Credit will not be awarded for both 712 and 512.

715 Seminar in Nutrition. (1-3) A. Formerly HEC 413. Prerequisites: NFA 501 or 701 and instructor approval. Reports and discussions of current problems and research in nutrition. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

716 Special Problems in Nutrition. (1-3) A. Prerequisite: NFA 501 or 701 and instructor approval. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

741 Foodservice Organization and Management. (3) I. Prerequisite: NFA 345. Administrative functions within a foodservice system. Emphasis in top management responsibilities: budgeting, legislation, labor unions, time management, PERT, EOQ, conflict management, energy conservation. Credit will not be awarded for both 741 and 541.

755 Seminar in Food Administration. (1-3) A. Formerly HEC 418. Prerequisite NFA 541 or 741. Reports and discussion of topics relative to the area of food administration. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received

credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

756 Special Problems in Food Administration. (1-3) A. Prerequisite: NFA 541 or 741. The student chooses a problem and works under the supervision of an instructor. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

801 Advanced Nutrient Study. (3) A. Prerequisite: NFA 501 or 701. Critical review of human nutritional requirements and relation of diet to human health and well-being, with in-depth study of nutrient-drug interrelationships, nutrient needs of high-risk groups, the chronically ill, and other high stress groups.

802 Advanced Diet Therapy. (3) A. Prerequisite: NFA 302, 502, or 702. Advanced work in preparation and use of diets for the medical care of patients in hospital ward, outpatient clinic, or public health facility.

804 Nutrition Assessments. (3) A. Prerequisite: NFA 301 or CHE 330 or instructor approval. Evaluation of biochemical, anthropometrical, and descriptive research methods used to assess nutritional adequacy of vitamins and other nutrients in humans, including accuracy of methods, specificity, ease of use, apparatus required, and applicability to nutrition surveys.

810 Problems in Nutrition. (3) A. Prerequisite: NFA 201 or NFA 500 or NFA 700. Ways of effectively dealing with nutrition concepts as they apply to everyday living.

811 Advanced Community Nutrition. (3) I. An in-depth study of the history, legislation, and guidelines of community nutrition/health programs, functions of the public health nutritionist as counselor, consultant, educator, communicator. Introduction to community assessment and program planning. Field experience.

817 Field Experience in Community and Clinical Nutrition. (6) A. Prerequisite: NFA 611, NFA 620 or concurrent enrollment. Observation/participation in nutrition programs at local, state, and federal levels, and in selected clinical settings. Case study and written reports. Requires full-time, 8-week block field experience under supervision of public health nutritionist.

820 Community Nutrition Administration. (3) II. Introduction to health administration, focusing on organizational structure, budget, personnel, legal aspects, public relations, and interorganizational relationships directed toward the public health nutritionist's role as program manager, planner and evaluator. Field experience.

841 Volume Foodservice Management. (3) A. Prerequisite: NFA 541 or 741 or instructor consent. An overall picture of foodservice management, production, and administration with emphasis on volume foodservice in community programs. Field experience.

TCF — TEXTILES, CLOTHING AND FASHION

708 Textile Testing and Evaluation. (3) I, II. Formerly HEC 508. Prerequisite: CHE 101, 102, TCF 201, 301. A study of chemical and physical testing of fabrics, detergency, textile legislation and standards. Individual problems and projects. Credit will not be awarded for both 708 and 508.

710 Socio-Psychological Factors of Apparel. (3) A. Formerly HEC 510. Prerequisites: TCF 101 or instructor consent. Social, cultural, and psychological factors which influence personal satisfaction in selection and use of apparel. Credit will not be awarded for both 710 and 510.

717 Textiles, Fashion and Merchandising Tour. (1-3) A. Prerequisites: instructor approval. Tour of wholesale and retail outlets in fashion industry centers. Professional exposure to many aspects of the fashion industry. Special study project. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

719 Special Problems in Textiles. (1-3) A. Formerly HEC 519. Prerequisites: instructor approval. The student selects a problem and works under the supervision of the instructor. May be retaken to a maximum of 6 hours. Students having received credit for the course at the 500 level may take this course for a maximum of 6 hours, including the undergraduate credits. Those who have not received credit for this course at the undergraduate (500) level may retake it for a maximum of 6 hours credit.

DEPARTMENT OF

INDUSTRIAL EDUCATION AND TECHNOLOGY

CLYDE O. CRAFT, Chair

Major work leading to satisfaction of requirements for the degrees of Master of Science in Industrial Education, Master of Science in Industrial Technology, and Specialist in Technology (industrial education) is offered by the department.

The Master of Arts in Education degree with option in Industrial Arts Education is offered in the College of Education with the cooperation of the Department of Industrial Education and Technology. The requirements for the M.A.Ed. degree may be found in the College of Education section of this Catalog.

The Master of Science degree in Industrial Education is available in three options:

Option I — Post Secondary Industrial Teaching, is designed to meet the needs of experienced and prospective teachers of technical subjects in technical institutes, junior colleges, and other post-secondary institutions. By pursuing the program, students have the opportunity for advanced graduate study in such technical areas as woods, metals, graphic arts, electronics, drafting, and design. The program is the logical first step for those students interested in the Specialist in Technology degree.

Option II — Vocational-Industrial Teaching, is designed to meet the needs of experienced and prospective vocational industrial-technical teachers. By pursuing the program, the students broaden their professional and technical preparation.

Option III — Vocational Administration and Supervision, is designed to meet the needs of experienced and prospective vocational education administrators. In addition to providing students the opportunity for advanced study in the field of vocational administration, the program fulfills the graduate curriculum requirements specified for Kentucky vocational administration certification.

The Master of Science in Industrial Technology degree is designed for those persons who are working, or plan to work, in industry. The program provides opportunities for advanced study in both technical and management studies. Programs are planned individually, and it is possible to include independent study based on student interests or to include study from appropriate supporting disciplines such as psychology, mathematics, or the sciences.

The Specialist in Technology degree is designed for experienced or prospective technical teachers in technical institutions, junior colleges, four-year colleges, and other post-secondary institutions. This program, as a capstone to the Master of Science in Industrial Education or a similar program, provides opportunities for extending technical and professional preparation.

Special Program Requirements

Industrial Education

MASTER OF SCIENCE

Admissions — Applicants are expected to present an appropriate undergraduate teaching major and provide evidence of acceptable professional and scholarly aptitude. An overall grade point average of 2.4 is expected.

Admission to Candidacy — Satisfactory scores on the Graduate Record Examination Aptitude Tests are required. Attributes related to professional promise will be reviewed. Refer to the General Academic Information section of this Catalog for degree completion requirements.

Option I — Individual plans of study will include work from four areas: I. Technical Education Core (6 hours—IET 702, IET 730); II. Technical Specialty ** (9 hours—selected electives from the technology of graphic arts, woods, electricity/electronics, metals, design, or drafting); III. College Teaching (9 hours—EHE 890, 895, 897); IV. Supporting Work (EDF 869 and a second technical specialty, research, field study, or related option). A minimum of 30 graduate hours is required.

Option II — Individual plans of study will include work from four areas: I. Technical Education Core (6 hours—IET 763, IET 730); II. Technical Specialty ** (9 hours—selected electives from the technology of graphic arts, woods, electricity/electronics, metals, design, or drafting); III. Vocational-Technical Teaching (9 hours—EDF 869 and two of the following courses: ESE 764, IET 761, 861, 862, or 863); IV. Supporting Work (6 hours—a second technical specialty, research, field study, or related option). A minimum of 30 graduate hours is required.

Option III — Individual plans of study will include work from three areas: I. Technical Education Core (6 hours—IET 763 and IET 730); II. Administrative Core (18 hours—IET 863, IET 861, EDF 869; EPC 822, and 6 hours to be elected from the following: IET 761 or EPY 816; EAD 800 or EAD 801; EAD 811, EPY 852, EDF 850, or ESE 812); III. Supporting Work (6 hours to be elected from a vocational education field other than the student's undergraduate major).

Thesis — Students who expect to continue graduate study to completion of the Specialist in Technology program may complete the research requirement as part of the master's curriculum. The thesis is optional in the Master of Science program, however.

Comprehensives — The candidate will have an opportunity to demonstrate professional growth through a written and/or oral examination covering the program components during the term in which graduation is scheduled.

Students must also meet the general requirements of the Graduate School.

Special Program Requirements*

Industrial Technology

MASTER OF SCIENCE

Admission — Applicants are expected to present appropriate prerequisite preparation to include technical specialization and business administration courses. The program may have appeal to those with undergraduate preparation in such areas as industrial technology, industrial education, business administration, and engineering. An overall grade point average of 2.4 is expected. Conditional admission provision exist.

Admission to Candidacy — Satisfactory scores on the Graduate Record Examination are required. Attributes related to managerial and technical promise will be reviewed. Refer to the General Academic Information section of this Catalog for degree completion requirements.

Program — Individual plans of study will include work from four areas: I. Technical Core (6 hours—IET 702, IET 730); II. Technical Specialty ** (9 hours—selected electives from the technology of graphic arts, woods, electricity/electronics, metals, design, or drafting); III. Business (9 hours—MGT 700 and 6 hours to be selected from ACC 710, ACC 800, CIS 800, ECO 730, ECO 800, ECO 804, MGT 750, MGT 800); IV. Supporting Work (6 hours—thesis, experimental research, supporting area of study such as psychology, mathematics, or

the sciences, or a second technical specialty). A minimum of 30 graduate hours is required.

Comprehensives — The candidate will have an opportunity to demonstrate professional growth through a written and/or oral examination covering the various program components during the term in which graduation is scheduled.

*Students must also meet the general requirements of the Graduate School.

**A student pursuing a Master of Science degree where specialized technical work is required (IET 800 level technical courses) is expected to have completed a minimum of 15 semester hours in the same (or similar) specialty at the undergraduate level. Students having extensive teaching and/or industrial experience may choose to be examined on their prerequisite technical competency. In addition, in view of the rapidly changing technology in certain fields, students are admitted to graduate study in a technical specialty only by consent of the department chair and the major professor in the technical discipline.

Special Program Requirements*

Industrial Education

SPECIALIST IN TECHNOLOGY

Admission — Applicants are expected to present one year of graduate preparation in the field of industrial education and to possess unusual professional and scholarly competence. An overall undergraduate grade point average of 2.5 is expected.

Admission to Candidacy — Students should present a 3.3 grade point standing on graduate work attempted. A score on the combined aptitude tests of the Graduate Record Examination at a level above the 65th percentile, based on scores achieved by Eastern Kentucky University seniors within programs. Commitment to the program as evidenced by experience, interviews with the committee and letters of recommendation must be demonstrated.

Program — Individual plans of study will include work from four areas: I. College Teaching (5 hours—EHE 898, to be taken twice, and EHE 899); II. Professional Industrial Education (9 hours—to be selected from ESE 769, 872, 873, IET 761, 862, or 863); III. Technical Specialty (9 hours—selected electives from the technology of graphic arts, woods, electricity/electronics, metals, design, or drafting); IV. Research (7 hours—EDF 895, IET 867, and one hour elective).

Comprehensives — The candidate will have the opportunity to demonstrate professional maturity through a written and/or oral examination covering program components during the term in which graduation is anticipated.

*Students must also meet the general requirements of the Graduate School.

Students who do not meet the criteria for enrollment in graduate technical courses must alleviate deficiencies by enrolling in appropriate undergraduate courses as determined by consultation with the major professor. These courses will not apply toward meeting graduate degree requirements.

Course Descriptions

IET — INDUSTRIAL EDUCATION AND TECHNOLOGY

701 Special Problems in Industrial Education and Technology. (3) I, II. Formerly IED/INT 501. Independent study and research related to problems of a theoretical and/or practical nature. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Credit will not be awarded for both 701 and 501.

702 Industrial Materials and Processes. (3) A. Formerly IED/INT 502. Characteristics, utilization and processing of industrial materials such as wood, metals, plastics, clay, glass, concrete, etc.; composition and working qualities; types, grades, availability, and suitability of materials for varying purposes; shaping, forming, cutting, and finishing processes; quality, prices and control of materials and products. Credit will not be awarded for both 702 and 502.

703 New Developments in Industry. (1-3). A Concurrent enrollment in approved industry-sponsored course. One semester hour credit for each week of enrollment (minimum of 20 class hours per week) on satisfactory-unsatisfactory basis. Student required to present proof of completion. May be retaken for a maximum of 3 hours. Students are required to develop a teaching unit on the new development.

704 Industrial Education Staff Exchange. (2-6). A. For in-service teachers enrolled in a staff exchange program designed to up-date technical skills in an appropriate industrial setting. Written reports are required. Satisfactory-unsatisfactory grading. Graduate credit will not be awarded for the same experience for which credit was received in 504.

711 Advanced Technical Problems in Graphic Arts. (2-6) I, II. Formerly IED/INT 511. Prerequisite: IET 411. Technical instruction in the graphic arts field. Recent developments, advanced technical and experimental problems, and preparation of technical reports in graphic arts. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Graduate credit will not be awarded for the same topic for which credit was received in 511.

720 Industrial Arts for the Elementary Teacher. (3) A. An introduction to basic industrial arts content and methods that can be utilized on the elementary school level. Emphasis on proper and efficient use of basic hand tools and appropriate construction activities. Credit will not be awarded for both 720 and 520.

730 Creative Problem Solving. (3) A. Formerly IED/INT 633, IET 633. A review and analysis of basic and applied research in the development of creative behavior with emphasis on its application to industrial teaching and industrial problem solving. Graduate students will be expected to complete a term project demonstrating their creative abilities. Credit will not be awarded for both 730 and 530.

733 Workshop in Industrial Education and Technology. (1-4) A. Formerly IED/INT 533, 733a Design; 733b Graphic Arts; 733c Plastics; 733d Power Mechanics; 733e Electronics; 733f Woods; 733g Metals; 733h Crafts; 733i Professional Industrial Education; 733j Drafting; 733k Occupational Safety; 733m Vocational Administration. (Maximum credit in any category is limited to 4 hours).

741 Advanced Technical Problems in Woodworking. (2-6) I, II. Formerly IED/INT 541. Technical instruction in the woodworking field. Recent developments, advanced technical and experimental problems, and preparation of technical reports in woodworking. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Graduate credit will not be awarded for the same topic for which credit was received in 541.

751 Advanced Technical Problems in Electricity/Electronics. (2-6) I, II. Formerly IED/INT 551. Technical instruction in the electricity-electronics field; recent developments, advanced technical and experimental problems, and preparation of technical reports in electricity-electronics. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Graduate credit will not be awarded for the same topic for which credit was received in 551.

761 Evaluation in Technical Education. (3) A. Formerly IED/INT 561. Strategies and methods for evaluation in technical education; identification and analysis of context, input, process, and outcomes; preparations, use and analysis of measuring instruments. Credit will not be awarded for both 761 and 561.

763 Technical Education Facility Planning. (3) A. Formerly IED 563. Principles and practices underlying the planning and designing of shops and laboratories for vocational, industrial, and technical education. Students receiving graduate credit are required to design a multi-laboratory facility which complies with existing safety and health laws. Credit will not be awarded for both 763 and 563.

771 Advanced Technical Problems in Mechanical Power. (2-6) I, II. Formerly IED/INT 571. Technical instruction in mechanical power systems, recent developments, advanced technical and experimental problems, and preparation of technical reports in mechanical power systems. An independent problem is planned by the student prior to enrollment and then approved and supervised by a faculty consultant. Graduate credit will not be awarded for the same topic for which credit was received in 571.

781 Advanced Technical Problems in Metalworking. (2-6) I, II. Formerly IED/INT 581. Technical instruction in the metalworking field; recent developments, advanced technical and experimental problems, and preparation of technical reports in metalworking. An independent problem is planned by the student prior to enrollment

and then approved and supervised by a faculty consultant. Graduate credit will not be awarded for the same topic for which credit was received in 581.

789 Characteristics and Maintenance of Tools and Machines. (3)
A. Formerly IED/INT/IET 489. Prerequisites: IET 382. The characteristics, preventive maintenance, trouble shooting, and repair of woodworking and metalworking tools and machines. Credit will not be awarded for both 789 and 589.

791 Advanced Technical Problems in Drafting. (2-6) I, II. Formerly IED/INT 591. Technical instruction in the drafting field, recent developments, advanced technical and experimental problems, and preparation of technical reports in drafting. An independent problem is supervised by a faculty consultant. Graduate credit will not be awarded for the same topic for which credit was received in 591.

811 Advanced Technical Study in Graphic Arts: _____ (3)
A. Prerequisite: 15 hours undergraduate courses in graphic arts. Independent technical study, research, and experimentation in a graphic arts topic. Topics include layout and design, photography, offset printing, color separation, and quality control. Other topics may be selected with departmental chair approval. May be retaken for a maximum of 15 hours if topics differ.

831 Advanced Technical Study in Design Technology: _____ (3) A. Prerequisite: IET 332 or 233 and 530 or 730. Independent technical study, research and experimentation in a design topic. Topics include product, graphic, and architectural design. Other topics may be selected with departmental chair approval. May be retaken for a maximum of 15 hours if topics differ.

841 Advanced Technical Study in Wood Technology: _____ (3) A. Prerequisite: 15 hours undergraduate courses in wood technology. Independent technical study, research, and experimentation in a wood technology topic. Topic include structure, composition, and identification of wood; physical and mechanical properties of wood; wood deterioration; seasoning and preservation; wood veneering; laminating and gluing; and wood and wood-related products. Other topics may be selected with departmental chair approval. May be retaken for a maximum of 15 hours if topics differ.

851 Advanced Technical Study in Electronics Technology: _____ (3) A. Prerequisite: 15 hours of undergraduate courses in electronics technology. Independent technical study, research, and experimentation in an electronics technology topic. Topics include solid state, communication, and instrumentation electronics; power and energy systems; and microprocessor systems. Other topics may be selected with departmental chair approval. May be retaken for a maximum of 15 hours if topics differ.

861 Supervision in Technical Education. (3) A. Formerly IED 661. Principles, objectives, methods, techniques, and practices of supervision; selection and organization of instructional materials; planning and equipping facilities; and professional and in-service education as they relate to the supervision of technical, vocational, and general industrial education programs.

862 Philosophy of the Practical Arts and Vocational Education. (3) II. Formerly IED 662. Background, purpose, and philosophies of the practical arts and vocational education; relationship to general education; effects of legislation for the practical arts and vocational education; the state plan.

863 Organization and Administration of Technical Education. (3) A. Formerly IED 663. Organization of industrial education on the local, state, and national level; federal legislation in technical education; federal-state relationships; types of technical, vocational, and general industrial education programs and schools.

867 Research in Industrial Technology. (3) A. Formerly INT 667. Individual investigations in the field of industrial technology. Investigations may be conducted in the field or laboratory and under the supervision of the research advisor and other staff members. May be retaken to a maximum of 6 hours.

881 Advanced Technical Study in Metals Technology: _____ (3) A. Prerequisite: 15 hours undergraduate courses in metals technology. Independent technical study, research, and experimentation in a metals technology topic. Topics include metrology, tool design, material testing, NC machining, and foundry and patternmaking. Other topics may be selected with departmental chair approval. May be retaken for a maximum of 15 hours if topics differ.

891 Advanced Technical Study in Drafting Technology: _____ (3) A. Prerequisite: 15 hours undergraduate courses in drafting technology. Independent technical study, research, and experimentation in a drafting technology topic. Topics include Mongean projection, advanced technical illustration, computer aided drafting and design, and geometrical dimensions and tolerances. Other topics may be selected with departmental chair approval. May be retaken for a maximum of 15 hours if topics differ.

898 Thesis I. (3) A. Formerly IED/INT 698.

899 Thesis II. (3) A. Formerly IED/INT 699.

DEPARTMENT OF

MASS COMMUNICATIONS

GLEN KLEINE, Chair

Course Descriptions

COM — MASS COMMUNICATIONS

700 Studies in Communications: **. (1-9) A. Prerequisite: Instructor approval. Study of specific areas of communications through workshops, short courses, institutes, or through the presentation of a specific course which examines timely, topical, or specialized concerns in the field. Specific topic included in schedule book. Credit will not be awarded for the same offerings of both COM 700 and for COM 500. If 9 hours have been earned in COM 500, no credit will be awarded for COM 700.

730 Sports Information Programs. (3) A. Study of the role and function of the Sports Information Director. Includes public relations techniques applied to sports information: press releases, publications programs, office and staff organization, time utilization, news media, and formats. Credit will not be awarded for both COM 530 and for COM 730.

750 Readings in Mass Communications. (3) A. Prerequisites: Instructor approval. Critical reading of selected books and magazines relating directly or indirectly to mass communications. Features reviews and seminar discussions of readings chosen to reflect individual student's interests. Credit will not be awarded for both COM 550 and for COM 750.

College of ARTS AND HUMANITIES

JOHN M. LONG, Dean JAMES K. LIBBEY, Associate Dean

Departments within the College of Arts and Humanities offer programs leading to the degrees of Master of Arts and Master of Music. The Department of English offers a program leading to the Master of Arts degree. The Department of Music offers a program leading to the Master of Music degree.

The Master of Arts in Education degree with an option in a specific subject and the Master of Music Education degree are offered in the College of Education with the cooperation of various departments in the College of Arts and Humanities. (The regulations for these degrees may be found in the College of Education section of this Catalog.) These departments are Art, English, Foreign Languages, and Music.

Courses offered for graduate credit by departments in the College are listed below by departments.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Arts and Humanities Courses

CAH — COLLEGE OF ARTS AND HUMANITIES

700 Interdisciplinary or Transdisciplinary Seminar: _____
(3) A. In-depth consideration of problems which involve several disciplines. A different problem may be considered each time course is offered. Representatives of various disciplines may participate in instruction. May be retaken for a total of 6 hours. Credit will not be awarded for both 700 and 500.

DEPARTMENT OF

ART

Chair

The Master of Arts in Education degree with an option in art is offered in the College of Education with the cooperation of the Department of Art. The regulations for the degree may be found in the College of Education section of this Catalog.

Course Descriptions

ART — ART

740 Workshop in Art (1 to 3) A. Intensive study in a specific phase of the visual arts. Current processes, materials, and theoretical foundations will be considered. May be retaken for a maximum of 9 hours. Credit will not be awarded for both 740 and 540.

763 Problems in Art. (3) I, II. Prerequisite: All departmental courses in problem area identified. Continuation of study begun in regular departmental courses. May be retaken for a maximum of 9 hours. Credit will not be awarded for both 763 and 563.

821 * Drawing. (3) A.

822 * Painting. (3) A.

827 * Sculpture. (3) A.

829 * Ceramics. (3) A.

830 * Printmaking. (3) A.

Arts and Humanities

* Courses in the series ART 821 through ART 830 share the prerequisite of "6 hours of work in the specialization named or consent of instructor." Students may register for no more than 9 hours of any specialization offered.

DEPARTMENT OF

ENGLISH

ROBERT E. BURKHART, Chair

The Department of English offers the Master of Arts degree in English.

The Master of Arts in Education degree with an option in English is offered in the College of Education with the cooperation of the Department of English. The regulations for the degree may be found in the College of Education section of this catalog.

English

MASTER OF ARTS

The graduate program in English is designed to train students in various areas of the discipline and provide them with both breadth and depth appropriate to the advanced level. Areas of the discipline are categorized below.

Admission — Applicants must meet the general requirements of the Graduate School. They must have achieved satisfactory scores on the Graduate Record Examination. They should also have completed at least an undergraduate minor in English and/or be prepared to do additional hours to remove any deficiency in their undergraduate preparations. Ordinarily a 3.0 standing must have been achieved in upper division English courses.

Candidacy — Refer to General Academic Information Section of this Catalog for complete degree completion requirements.

Language — Students in either the thesis or non-thesis option must satisfy the foreign language requirement in one of the ways specified in the General Academic Information section of this Catalog.

Program Planning — While either the thesis or non-thesis option may be selected, graduate students in English may prepare for careers of teaching on the college and pre-college levels, engage in literary research and composition on advanced levels, and prepare for further advanced study, degrees, or other pre-professional goals.

Students electing a thesis option may receive a maximum of six hours for English 898 and 899. Of the additional 24 hours required, at least nine hours must be chosen from each of two of the six categories itemized below. One of the categories must be British literature, American literature, or language and composition. The second may be any other category chosen by the student.

Non-thesis students must choose at least nine hours from each of two of the six categories itemized below. One of the categories must be British literature, American literature, or language and composition. The second may be any other category chosen by the student.

Conferences between students and their academic ad-

visor will insure that elective hours are used to meet the program needs of the individual.

The following courses may be counted in the categories indicated:

British Literature

ENG 730, 735, 770, 825, 833, 870, 873, 874, 876, 878, 880

American Literature

ENG 730, 735, 750, 833, 850, 853, 854

Language and Composition

ENG 700, 710, 715, 720, 740, 800, 807, 808, 809, 810, 825

Comparative Literature

ENG 731, 745, 833

Creative Writing

ENG 700, 702, 703 (In addition, it is assumed that the creative writing student will undertake a thesis.)

Criticism and Scholarship

ENG 800, 809, 833

NOTE: ENG 890 (Special Studies) may be counted, as determined by specific subject matter, in any of the above categories.

Thesis — Those who submit a thesis in partial fulfillment of the Master of Arts degree in English must prepare it in conformity with the regulations approved by the Graduate Council and the Department of English. Detailed information concerning the preparation and submission of the thesis may be procured in the office of the departmental chair.

Comprehensive Examination — Graduate students not electing a thesis are required to take a written comprehensive examination after the completion of 24 hours of course work, usually close to the end of the student's second semester of course work. Comprehensive examinations will be scheduled in November, April, and the fourth or fifth week of each summer session.

Graduate students seeking to complete a thesis are required to give an oral defense of their thesis and to be examined orally on related course work. The oral examination will be scheduled approximately one month before the end of the student's final semester of graduate work for the degree.

Course Descriptions

ENG — ENGLISH

700 Advanced Professional Writing: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and either two additional courses in English or instructor approval. Advanced study and practice in editing, technical writing, expository writing, or writing for the popular media. May be retaken with different topics for a maximum of nine hours. Credit will not be awarded for both 700 and 500.

702 Advanced Creative Writing. (3) A. Prerequisite: ENG 101 and 102 (or 105) and instructor approval. Open to students who desire to have their manuscripts criticized: fiction, drama, poetry, biography, or the informal essay accepted; guest lectures by and discussion with writers in residence. Credit will not be awarded for both 702 and 502.

703 Creative Writing Workshop. (1-3) A. Prerequisite: ENG 101 and 102 (or 105) and instructor approval. A one-week course of 15 informal lectures and discussions by faculty and visiting lecturers. Each student registering for the writer's conference must submit a short story, a one-act play, four poems, or the equivalent. Credit will not be awarded for both 703 and 503.

710 Introduction to Linguistic Theory. (3) A. Formerly ENG 539. Prerequisite: ENG 101 and 102 (or 105) and two additional courses in English. An introduction to current linguistic theory and practice. Credit will not be awarded for both 710 and 510.

715 English as a Second Language. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two additional courses in English. Study of theory and techniques used in generating effective use of English as a second language. Credit will not be awarded for both 715 and 515.

720 History of English Language. (3) A. Formerly ENG 541. Prerequisite: ENG 101 and 102 (or 105) and two additional courses in English. Study of the history of the English language in terms of social, historical, and linguistic forces from which it developed into

modern English. Credit will not be awarded for both 720 and 520.

730 Studies in a Genre: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. Study of a designated literary genre, such as Renaissance drama, the rise of the novel, or narrative poetry. May be retaken with different topics for a maximum of 6 hours. Credit will not be awarded for both 730 and 530.

731 Genre in Translation: _____. (3) A. Formerly ENG 560, 565, 660. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. Study of designated literary genre primarily in translation, such as the epic, classical drama, or Continental fiction. May be retaken with different topics for a maximum of 6 hours. Credit will not be awarded for both 731 and 531.

735 Women Writers. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. Study of literature by women writers. Credit will not be awarded for both 735 and 535.

740 Study of Popular Writings. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. Exploration of the humanistic and cultural values expressed in popular formats through a survey of such writings as best sellers, the new journalism, detective fiction, science fiction, newspapers, and TV scripts. Credit will not be awarded for both 740 and 540.

745 Topics in Literary Relationships: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of literature as it relates to other disciplines. May be retaken with different topics for a maximum of 6 hours. Credit will not be awarded for both 745 and 545.

750 Topics in American Literature: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to American literature, or contemporary directions/experiments in American literature. May be retaken with different topics for a maximum of 6 hours. Credit will not be awarded for both 750 and 550.

770 Topics in British Literature: _____. (3) A. Prerequisite: ENG 101 and 102 (or 105) and two courses in literature. An intensive study of a particular literary movement, a theme common to British literature, or contemporary directions/experiments in British literature. May be retaken with different topics for a maximum of 6 hours. Credit will not be awarded for both 770 and 570.

800 Problems in Writing. (3) I. A study of the techniques used in generating and in evaluating effective writing. A review of grammar, of rhetorical principles, and of pertinent bibliographical materials. Required of all teaching assistants in English.

807 Advanced Study of Language: Theory and Application (3) A. An advanced course in language theory, including traditional terminology and structure as well as concepts and terminology of modern linguistics; particular emphasis on current usage, regional and dialectal problems, and opportunities for supervised research.

808 Modern Theories of Composition. (3) A. An advanced course in modern theories of composition, suitable for students of writing and for students interested in teaching writing; includes theory, practice, and evaluation.

809 Seminar in Writing and Research. (3) A. A course designed to instruct graduate students in various disciplines in four modes of discourse, in methods of editing, and in techniques of research. Special emphasis on expository and argumentative writing and discussion of that writing, along with application of writing to individual purposes.

810 Seminar in Linguistics. (3) A. Formerly ENG 605. Examination of various descriptive and comparative approaches to the study of language.

825 Old English. (3) A. Reading and study of selected works in original Old English dialects.

833 Literary Criticism. (3) A. Formerly ENG 615, 686. The theoretical foundations and critical methodologies of literary study. Major statements of theoretical and/or practical criticism will be studied.

850 Seminar in Early American Literature. (3) A. Study in depth of several major authors, or of a significant literary movement, in American literature through Cooper.

853 Seminar in Nineteenth-Century American Literature. (3) A. Formerly ENG 645, 647. Study in depth of several major authors, or of a significant literary movement, in American literature of the 19th century.

854 Seminar in Twentieth-Century American Literature. (3) A. Formerly ENG 652. Study in depth of several major authors, or of a significant literary movement, in modern American literature.

870 Seminar in Medieval Literature. (3) A. Formerly ENG 626. Study in depth of several major authors or works, or of a significant

literary movement, in English literature of the Middle Ages.

873 Seminar in Renaissance Literature. (3) A. Formerly ENG 627, 628. Study in depth of several major authors, or of a significant literary movement, in English literature from 1485 to 1660, excluding Shakespeare.

874 Seminar in Shakespeare. (3) A. Formerly ENG 692. Concentration on selected works of Shakespeare; investigation and research of scholarly problems.

876 Seminar in Restoration and Eighteenth-Century Literature. (3) A. Formerly ENG 672. Study in depth of several major authors, or of a significant literary movement, in British literature from 1660 to 1800.

878 Seminar in Nineteenth-Century British Literature. (3) A. Formerly ENG 630, 631, 632. Study in depth of several major authors, or of a significant literary movement, in British literature of the Romantic and Victorian periods.

880 Seminar in Twentieth-Century British Literature. (3) A. Formerly ENG 655. Study in depth of several major authors, or of a significant literary movement, in modern British literature.

890 Special Studies. (1-3) A. Independent research and writing designed to fulfill the individual needs and interests of advanced students.

898 Thesis I. (3) A.

899 Thesis II. (3) A.

DEPARTMENT OF

FOREIGN LANGUAGES

THEODOR LANGENBRUCH, Chair

The Master of Arts in Education degree with an option in French or Spanish is offered in the College of Education with the cooperation of the Department of Foreign Languages. The regulations for the degree may be found in the College of Education section of this Catalog.

Course Descriptions

FRE — FRENCH

705 Advanced Grammar and Composition. (3) A. Prerequisite: FRE 360 or equivalent proficiency. Credit will not be awarded for both 705 and 505.

735 Introduction to French Linguistics. (3) A. Prerequisite: FRE 340 or equivalent proficiency. Applied linguistics, with emphasis on the phonetics, morphology, and syntax of French. Credit will not be awarded for both 735 and 535.

740 Advanced French Conversation. (3) A. Prerequisite: FRE 340 or equivalent proficiency. (Not open to native speakers.) Credit will not be awarded for both 740 and 540.

750 History of the French Language. (3) A. Prerequisite: approval of department. Survey of the evolution of the French language from its origins to the present day. Readings in Old French. Credit will not be allowed for both 750 and 550.

770 Medieval and Renaissance Literature. (3) A. Prerequisite: FRE 303 or other literature course. Survey of the major works of the Middle Ages (in modern French) and of the Renaissance. Credit will not be awarded for both 770 and 570.

880 Special Studies. (1-3) A. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken to a maximum of 6 hours.

GER — GERMAN

705 Advanced Grammar and Composition. (3) A. Prerequisite: GER 360 or equivalent proficiency. Topics for composition drawn from literary materials. Credit will not be awarded for both 705 and 505.

740 Advanced Conversation. (3) A. Prerequisite: GER 340 or equivalent proficiency. Topics for conversation drawn from literary sources. Credit will not be awarded for both 740 and 540.

POR — PORTUGUESE

701 Accelerated Elementary Portuguese I. (3) A. Prerequisite: upper division standing and 202 level or equivalent of another foreign language. Fundamentals of the Portuguese language. Credit will not be awarded for both 701 and 501.

702 Accelerated Elementary Portuguese II. (3) A. Prerequisite: POR 701 or equivalent proficiency in Portuguese. Composition, conversation, and reading in Luso-Brazilian studies. Credit will not be awarded for both 702 and 502.

795 Independent Work in Portuguese. (1-3) A. Prerequisite: POR 701 or equivalent and approval of department. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken for a maximum of 6 hours provided the subject matter is different. Credit will not be awarded for both 795 and 595.

880 Special Studies. (1-3) A. Independent study in either language or literature on a subject of special interest to the advanced student. May be retaken for a maximum of 6 hours.

SPA — SPANISH

701 Bibliography and Research Methods. (3) A. Credit will not be awarded for both 701 and 501.

705 Advanced Grammar and Composition. (3) A. Prerequisite: SPA 360 or permission of Department. Correct usage of Spanish through intensive grammar analysis and its application in original compositions. Credit will not be awarded for both 705 and 505.

735 Historical Linguistics. (3) A. Prerequisite: SPA 360 or 505, or permission of Department. History and development of the Spanish language. Credit will not be awarded for both 735 and 535.

772 Hispanic Literature. (3) A. Prerequisite: SPA 301 and three hours from SPA 305, 306, 307. Study of a selected literary topic. May be retaken for a maximum of nine hours if course content is different. Credit will not be awarded for both 772 and 572.

872 Hispanic Literature. (3) A. Intensive study of a selected literary topic. May be retaken for a maximum of 9 hours if course content is different.

880 Special Studies. (1-3) A. Independent study in either language or literature on a subject of special need or interest to the advanced student. May be retaken for a maximum of 6 hours.

DEPARTMENT OF

MUSIC

GEORGE E. MUNS, Chair

The Department of Music offers major work which leads to the Master of Music degree with options in performance, theory/composition, and choral conducting. These graduate degrees prepare students for leadership roles in music theory, composition, and music performance at all levels; build a sound foundation for graduate study leading to a doctorate; provide further insight into the structure of music; increase their knowledge of musical culture through intensive study of music literature; provide them with a core of knowledge from the fields of learning theory and music composition.

The Master of Arts in Education degree with an option in music, and the Master of Music Education degree, and Rank I Certification, are offered in the College of Education with the cooperation of the Department of Music. The regulations for these degrees may be found in the College of Education section of this Catalog. Music education (ESE) courses offered are described in the College of Education section of this Catalog.

Music

MASTER OF MUSIC

Admission — Applicants for admission to the Master of

Music program must:

1. meet all admission requirements of the Graduate School;
2. achieve satisfactory scores on the Graduate Record Examination and complete the Advanced Test in Music;
3. hold a bachelor's degree in a field of music from an accredited institution;
4. demonstrate an undergraduate preparation corresponding to the recommendations of the National Association of Schools of Music;
5. receive approval from a departmental admissions committee;
6. provide at least three letters of reference from persons qualified to judge competent work in the areas of performance specialty; and
7. participate in a Theory Placement Interview required of all incoming graduate students.

Candidacy — Refer to the General Academic Information Section of this Catalog for complete degree completion requirements.

Program — The general format of the program appears below.

Core Courses	12 hours
MUS 755 or MUS 756 (Music Literature)	3 hours*
MUS 872 (Music History)	3 hours**
MUS 884 or 887 (Music Theory)	3 hours
MUS 896 or MUS 897 (Project or Recital)	3 hours

Electives **10 hours**
Suitable electives to be chosen in consultation with the graduate advisor.

*Choral Conducting option will elect MUS 756.

**Students who have completed MUS 755 or 756 or an equivalent course as part of their undergraduate degree program should substitute 3 additional hours of MUS 872.

Options	10 hours
Options are available in performance, theory/composition, and choral conducting.	
Total Requirements	32 hours

Comprehensive Examinations — The program will be culminated by a written or oral comprehensive examination testing the candidate's general knowledge of music.

OPTION IN PERFORMANCE

Core Courses	12 hours
Electives	10 hours
Applied Music	10 hours
Total Requirements	32 hours

OPTION IN THEORY/COMPOSITION

Core Courses	12 hours
Electives	10 hours
Theory/Composition	10 hours
MUS 886 (Counterpoint)	3 hours
MUS 888 (Analytical Techniques II)	3 hours
MUS 889 (Advanced Composition)	2 hours
MUS 788 (Pedagogy of Theory)	2 hours
Total Requirements	32 hours

OPTION IN CHORAL CONDUCTING

Core Courses	12 hours
Electives	10 hours
Choral Conducting	10 hours
MUS 765 (Advanced Choral Conducting)	2 hours
MUS 880 (Advanced Choral Interpretation)	2 hours
MUS 883 (Seminar in Choral Procedures)	2 hours
MUS 825 or 826 (Choir or University Singers)	1 hour
MUS 898 (Research in Music and Music Education)	2 hours

Applied music	1 hour
Total Requirements	32 hours

Course Descriptions

MUS — MUSIC

712 Piano V. (1 to 4) I, II. May not be taken for credit by piano majors. Credit will not be awarded for both 712 and 512.

713 Techniques of Accompanying. (1) I, II. Practical training in the tradition, interpretation, and execution of accompaniments. May be retaken for a maximum of 2 hours. Credit will not be awarded for both 713 and 513.

716 Pipe Organ Design and Construction. (2) A. Prerequisite: instructor approval. History of the pipe organ, its development and use from the Renaissance to the present, specifications; registrations; field trips to organ builders and representative pipe organ installations. Credit will not be awarded for both 716 and 516.

720 Diction for Singers. (1) A. For voice and choral conducting students. Enunciation and projection; accurate pronunciation in English, Latin, Italian, French, and German. Phonetics and the International Phonetic Alphabet. Credit will not be awarded for both 720 and 520.

722 Voice V. (1 to 4) I, II. May not be taken for credit by voice majors. Credit will not be awarded for both 722 and 522.

742 Organ V. (1 to 4) I, II. May not be taken for credit by organ majors. Credit will not be awarded for both 742 and 542.

750 Teaching Techniques. (1 or 2) A. Analysis of current teaching methods and materials with the intention of developing sound teaching procedures. May include observation and performance. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken for a maximum of 2 hours. Credit will not be awarded for both 750 and 550.

751 Performance Literature. (1 or 2) A. Literature for various performing media relative to performance practices and problems. Topics in woodwinds, brass, percussion, strings, voice, piano, and organ. May be retaken for a maximum of 2 hours. Credit will not be awarded for both 751 and 551.

755 Symphonic Music Literature. (3) II. Prerequisite: MUS 371 and 372. Evolution of the symphony from its beginning to the 20th century with emphasis on score reading and listening. Credit will not be awarded for both 755 and 555.

756 Choral Music Literature. (3) I. Prerequisite: MUS 371 and 372. Survey of choral music literature from the 15th century to the present. Credit will not be awarded for both 756 and 556.

763 Teaching Piano in Classes. (2) A. Prerequisite: 3 years of piano study at the college level or equivalent. Methods and materials used in the teaching of piano classes. Credit will not be awarded for both 763 and 563.

764 Advanced Instrumental Conducting. (2) A. Prerequisite: MUS 367 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative orchestra or band works. Credit will not be awarded for both 764 and 564.

765 Advanced Choral Conducting. (2 or 3) A. Prerequisite: MUS 368 or equivalent. Development of skills in score reading, preparation, interpretation, and conducting of representative choral works. Credit will not be awarded for both 765 and 565.

770 Band Pageantry. (2) A. Prerequisite: instructor approval. Charting and scoring for the modern marching band. Credit will not be awarded for both 770 and 570.

784 Fundamentals of Electronic Music. I. (2) A. Mechanics of the synthesizer. Emphasis on "sound possibilities" and their actual production. Credit will not be awarded for both 784 and 584.

785 Fundamentals of Electronic Music II. (2) A. Prerequisite: MUS 584 or instructor approval. Composition through the use of the synthesizer. May be retaken for a maximum of 4 hours, provided the subject matter is different each time. Credit will not be awarded for both 785 and 585.

786 Workshop in Instrumental Music. (1 to 4) A. Topics in band or orchestra procedures. May be retaken for a maximum of 4 hours. Credit will not be awarded for both 786 and 586.

788 Pedagogy of Theory. (2) A. Comparative study of theory systems with emphasis on presentation and illustrative exercises dealing with related theoretical problems. Credit will not be awarded for both 788 and 588.

789 Workshop in Choral Music. (1 to 4) A. Techniques, literature, and materials pertinent to a particular area or areas of preparation and performance of choral music. Topics to be announced. May be retaken for a maximum of 4 hours. Credit will not be awarded for both 789 and 589.

805 Chamber Music. (½) A. May be retaken for a maximum of 1 hour.

812 Piano. (1 to 5) I, II. Prerequisite: MUS 412. Four years or equivalent, as demonstrated by the student's proficiency in piano. May be retaken.

822 Voice. (1 to 5) I, II. Prerequisite: MUS 422. Four years or equivalent, as demonstrated by the student's proficiency in voice. May be retaken.

825 Choir. (½) I, II. May be retaken for a maximum of 1 hour.

826 University Singers. (½) I, II. May be retaken for a maximum of 1 hour.

827 Opera Workshop. (½) I, II. May be retaken for a maximum of 1 hour.

832 String Instruments. (1 to 5) I, II. Prerequisite: MUS 432. Four years or equivalent as demonstrated by the student's proficiency on string instruments. Graduate applied instruction in violin, viola, violoncello, string bass, or viola da gamba. May be retaken.

835 Orchestra. (½) I, II. May be retaken for a maximum of 1 hour.

842 Organ. (1 to 5) I, II. Prerequisite: MUS 442. Four years or equivalent, as demonstrated by the student's proficiency on organ. May be retaken.

845 Brass Instruments. (1 to 5) I, II. Prerequisite: MUS 445. Four years or equivalent, as demonstrated by the student's proficiency on brass instruments. Graduate applied instruction in cornet and trumpet, French horn, baritone horn, trombone, or tuba. May be retaken.

846 Woodwind Instruments. (1 to 5) I, II. Prerequisite: MUS 446. Four years or equivalent, as demonstrated by the student's proficiency on woodwind instruments. Graduate applied instruction in flute, oboe, clarinet, bassoon, or saxophone. May be retaken.

847 Percussion. (1 to 5) I, II. Prerequisite: MUS 447 or equivalent, as demonstrated by the student's proficiency in percussion. May be retaken.

850 Small Ensembles. (½) I, II. May be retaken for a maximum of 1 hour.

855 Band. (½) I, II. May be retaken for a maximum of 1 hour.

872 Seminar in Music History. (1 to 3). A. Intensive study of a specific historical era, genre, or composer. Topics studied in this sequence: Medieval, Renaissance, Baroque, Classical, Romantic, Contemporary. Additional topics announced. May be retaken for a maximum of 6 hours, providing that the subject matter is different.

876 Advanced Notational Techniques for Percussion. (2) A. Prerequisite: MUS 386 or instructor approval. Methods and techniques of scoring for contemporary percussion. Notational changes and performance techniques other than traditional. For composers, arrangers, and conductors.

880 Advanced Choral Interpretation. (2) A. Application of advanced choral techniques related to performance practice and interpretation through analysis and score reading.

883 Seminar in Choral Procedures. (2) A. Techniques in the preparation and performance of choral music. Survey of high school and college choral literature.

884 Advanced Theory Survey. (3) A. Formerly MUS 587. Prerequisite: instructor approval. Intensive work in part-writing and structural analysis.

885 Psychology of Music. (3) A. Reactions to musical stimuli; musical aptitude and achievement; application of psychological theories to musical learning.

886 Advanced Choruspoint. (3) A. Prerequisite: MUS 481 or equivalent, or instructor approval. Continuation of MUS 481; compositions of the late Baroque, including canon, passacaglia, and chorale prelude.

887 Analytical Techniques I. (3) A. Prerequisite: MUS 884 or equivalent. Significant forms, procedures, and compositional devices relevant to the major stylistic periods from the Renaissance to the Contemporary.

888 Analytical Techniques II. (3) A. Prerequisite: MUS 887 or equivalent. A more intense and specialized study of the compositional devices of important composers from Renaissance to Contemporary. Study material is partially determined by student's area of interest.

889 Advanced Composition. (2) A. Prerequisite: MUS 483 or equivalent, or approval of instructor. Continuation of MUS 483. May be retaken for a maximum of 4 hours.

890 Seminar in Advanced Theory. (3) A. Prerequisite: MUS 888 or instructor approval. An intensive study of some of the major theoretical systems ranging from the earliest times to the present. May be retaken for a maximum of 6 hours.

896 Special Project in Theory/Composition and Choral Conduct-

ing. (3) A. Prerequisite: MUS 556 or MUS 756 Choral Conducting option only. Requirement for the Master of Music, option in theory/composition or option in choral conducting. May be fulfilled by theory project, composition, analytical paper, or recital.

897 Graduate Recital. (2 or 3) A.

898 Research in Music and Music Education. (2) A. Research techniques appropriate to music and music education; principles of research design; organization of the research report; analysis of representative research.

899 Thesis. (3) A.

DEPARTMENT OF

PHILOSOPHY AND RELIGION

J. ROBERT MILLER, Chair

Course Descriptions

PHI — PHILOSOPHY

700 Seminar in Philosophy. (3) A. Formerly PHI 530. Prerequisite: instructor approval. Intensive examination of a general philosophical subject such as metaphysics, epistemology, or axiology. May be retaken to a maximum of 6 hours so long as the work is different. Credit will not be awarded for both 700 and 500.

715 Health and Biomedical Ethics. (3) I, II. An examination of the value-issues which surround problems which arise in health-related fields and whose resolution calls for moral judgments. Typical problems would include euthanasia, experimentation with humans, behavior control, genetic engineering, distribution of health care facilities. Credit will not be awarded for both 715 and 515.

757 Classical Political Thought. (3) A. Cross listed as POL 757. Formerly POL 555. Examination of the origins of Western political thought. Intensive reading of Plato, Aristotle, and Cicero. Credit will not be awarded for both 757 and 557.

758 Medieval, Renaissance, and Reformation Political Thought. (3) A. Cross listed as POL 758. Examination of the political theories of Augustine, Aquinas, Dante, Marsilio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty. Credit will not be awarded for both 758 and 558.

759 Modern Political Thought. (3) A. Cross listed as POL 759. Formerly POL 556. Examination of the development of political thought from Hobbes to Nietzsche. Credit will not be awarded for both 759 and 559.

REL — RELIGION

705 Seminar in Religion (3) A. Prerequisite: instructor approval. Research and discussion on a selected topic in religion, with special attention to the techniques of scholarly exploration. May be retaken to a maximum of 6 hours, provided the work is different. Credit will not be awarded for both 705 and 505.

DEPARTMENT OF

SPEECH AND THEATRE ARTS

RICHARD L. BENSON, Chair

Course Descriptions

SPE — SPEECH

805 Independent Studies in Speech Communication. (1-3) A. Individual research and reading on a specific speech communication subject. Regular consultation and final paper required.

THE — THEATRE ARTS

805 Independent Studies in Theatre Arts. (1-3) A. Individual research and reading on a specified theatre arts topic. Regular consultation and final paper required.

College of BUSINESS

_____, Dean

_____, Associate Dean and Director, MBA Program

The College of Business, in association with the Graduate School, offers the Master of Business Administration degree and cooperates with the College of Education in offering the Master of Arts in Education degree in business education.

MASTER OF BUSINESS ADMINISTRATION DEGREE PROGRAM

Program Objectives

The Master of Business Administration degree program provides for study in breadth in the functional areas of business administration and management. It is designed to provide opportunities for developing skill in scientific analysis and in an ability to integrate concepts and research findings of business and the social sciences. Students are prepared to draw logically sound conclusions, to think creatively, to communicate effectively, and to appreciate the role and responsibilities of business enterprise in our broad social framework. No academic specializations are provided within this program.

Day and Evening Classes

Graduate classes are offered during evening hours at sufficient intervals so that part-time students may undertake and complete the MBA program during evening hours. Beyond common body of knowledge courses, evening class offerings will be of sufficient frequency (assuming minimum enrollment requirements can be met) to permit part-time students to complete the MBA in two years if recommended sequencing is maintained. There is no difference in the academic content of day and evening classes, and no difference in program requirements for full-time and part-time students.

Special Program Requirements*

Admission — Applicants to the Master of Business Administration program must (1) hold a bachelor's degree from an accredited institution with a minimum overall GPA of 2.4, (2) score no less than 350 on the Graduate Management Admission Test, and (3) have a total of at least 950 points based on the formula: 200 times the overall UGPA plus the GMAT score; or at least 1,000 points based upon the formula: 200 times the upper division UGPA plus the GMAT score.

MBA applicants are not required to take the Graduate Record Examination (GRE); however, MBA applicants are required to take the Graduate Management Admission Test (GMAT) and meet the formula score described above. Official satisfactory GMAT score results from ETS must be submitted to the Graduate School Office. Beyond University minimums, the College of Business Curriculum Committee is responsible for administering this rule.

*Students must also meet the general requirements of the Graduate School.

General Information — Upon written petition, subject to the approval of the Graduate School and the Director of the MBA Program, the student may transfer nine semester hours of acceptable graduate level work from another accredited institution.

The maximum course load for graduate students studying in the College of Business is 12 semester hours. Registra-

tion in excess of this limit, not to exceed 15 hours, must be approved by the MBA Director.

At least 24 semester hours of work must be completed in courses open only to graduate students. Additional appropriate experiences are required of all graduate students enrolled in the same course with undergraduates. These courses are numbered in the 500 and 700 series. Courses numbered in the 800 series are open only to graduate students.

Students whose records, performance, or examinations indicate deficiencies in the use of English will be required to take additional work to increase their proficiency in the use of English. This requirement will take precedence over all other courses in the student's graduate program.

Admission to Candidacy — Students should initiate candidacy proceedings for the MBA degree with the Director of the MBA program during their first semester in which graduate classes are taken. *Students will not be permitted to enroll in any of the last 18 hours of the MBA if their candidacy has not been approved.*

Probation — If, in any semester of study, the student's graduate grade point average falls below 3.0, he/she automatically will be placed on academic probation. If, in the following semester, the student fails to achieve an overall graduate 3.0 grade point average, he/she will be withdrawn from study in the College of Business. Following such withdrawal, the student may be readmitted for further graduate study in the College of Business only if a petition (accompanied by a complete record of all college or university work previously undertaken) has been approved by the student's Committee and dean of the College of Business and the dean of the Graduate School. Refer to the General Academic section of this Catalog for complete degree completion requirements.

Comprehensive Examination — Students shall pass a written comprehensive examination covering all areas of study. The comprehensive written examination shall be scheduled by the MBA Director in the semester in which the student expects to finish course work, but not later than three weeks before the end of that semester or summer session. Should a student fail the written comprehensive he/she may petition the MBA Director for not more than one additional attempt to qualify. Re-examination must be taken and passed in not less than 60 days nor more than 12 months following the semester or summer session in which the student first failed to qualify, but at least 60 days must elapse between examinations.

Prerequisites — MBA courses open only to graduate students normally are presented on the assumption that the students enrolled in them have had some foundation in accounting, economics, finance, management, marketing, legal environment of business, statistics, and quantitative methods. Students with deficiencies in any of these areas must supplement their formal degree programs with additional course work in the deficient areas. If they satisfy course prerequisites, graduate students outside the College of Business may enroll in ACC 800, ECO 800, ECO 804, ECO 807, ECO 820, OAD 800, CIS 800, MGT 800, and all 700 level courses offered by the College of Business.

Program Planning — All MBA students must satisfy requirements for the common body of knowledge (CBK) and complete 27 graduate hours beyond the CBK. Of these 27

graduate hours, 24 must be reserved exclusively for graduate students (800 level courses). Because the CBK contains one course reserved exclusively for graduate students, GBU 815, each student will complete a minimum of 30 graduate hours of instruction. Except for GBU 815, courses in the CBK normally will be taken prior to graduate level instruction. Exceptions must be approved by the MBA Program Director.

Common Body of Knowledge (CBK) — Students who have an undergraduate background in business must have completed MAT 211 or its equivalent and the equivalent of the business core as described in the current General Catalog. GBU 815 is part of the CBK and will be taken as a capstone course at or near the final semester of the program. For students without an academic background in business, the following courses or their equivalents will be considered sufficient for the common body of knowledge. Except for GBU 815, these courses normally will precede graduate course work (800 level courses).

MAT 107 College Algebra (or higher math)	3 hours
MAT 211 Linear Algebra & Calculus with Business Applications	3 hours
ECO 220 Business Statistics	3 hours
CIS 212 Introduction to Data Processing Systems	3 hours
ACC 510 Survey of Accounting	3 hours
ECO 510 Survey of Economic Analysis	3 hours
GBU 204 Legal Environment of Business	3 hours
OAD 301 Business Communications	3 hours
MGT 510 Survey of Management and Production	3 hours
MGT 310 Operations Management	3 hours
MKT 300 Marketing	3 hours
FIN 300 Business Finance	3 hours
GBU 815 Business Policy	3 hours
One of the following: ECO 530, CIS 390, MGT 340	3 hours

Total hours of instruction in the common body of knowledge 42 hours

Additional Requirements — In addition to the common body of knowledge, at least 27 semester hours must be taken in the fields of management, marketing, finance, accounting, economics, and office administration. The required graduate courses in the program follow:

REQUIRED MBA GRADUATE COURSES

GBU 815	3 hours
ECO 800	3 hours
OAD 800	3 hours
ACC 800	3 hours
MKT 800	3 hours
FIN 800	3 hours
MGT 800	3 hours

Total Required 21 hours

MBA ELECTIVE COURSES

Students will elect nine graduate hours of which no more than three may be at the 700 level of instruction. Students must select their elective courses in consultation with the Director of the MBA program because certain courses serve other areas of the University and are not appropriate experiences for MBA students.

Determination of equivalent and substitute courses will be made by the Director of the MBA program and the Chairperson of the appropriate department.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

DEPARTMENT OF

ACCOUNTING

CLAUDE K. SMITH, Chair

The Department of Accounting, in cooperation with the Graduate School and the College of Business, participates in the Master of Business Administration program. ACC 700, 710, and 750 cannot be taken by students who have an undergraduate major in accounting.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Course Descriptions

ACC — ACCOUNTING

700 Public School Accounting (3) A. Study in accounting and fiscal procedures for public schools. Credit will not be awarded for both 700 and 500.

710 Survey of Accounting (3) I. Designed for students who have completed a non-business degree and now wish to acquire a background in accounting and/or business. Not counted toward the 30 hours required for the MBA. Credit will not be awarded for both 710 and 510.

721 Fund Accounting. (3) I. Prerequisite: ACC 202 with a minimum grade of "C." Advanced study in accounting and fiscal procedures for institutions and for federal, state, county, and municipal governments. Credit will not be awarded for both 721 and 521.

725 Accounting Problems. (3) II. Prerequisite: ACC 302 with a minimum grade of "C." An advanced course; the contents will be determined by the needs of the students registering for it. Credit will not be awarded for both 725 and 525.

727 Managerial Cost Accounting. (3) A. Prerequisite: ACC 327 with a minimum grade of "C." Advanced problems in costs, budgets, distribution costs, measurements of departmental efficiency, and analysis of cost information for managerial decisions. Credit will not be awarded for both 727 and 527.

740 CPA Law. (3) I,II. Prerequisite: strong accounting background and instructor approval. Law as it relates to the accounting profession. Cases used from previous examinations given by the AICPA. Emphasis on shortcuts and suggestions for time-saving on the examination. Credit will not be awarded for both 740 and 540.

750 Accounting for Non-Profit Organization. (3) II. General theory of budget implementation and reporting as well as internal control of other significant areas for not-for-profit organizations. Credit will not be awarded for both 750 and 550.

800 Managerial Accounting. (3) II. Prerequisite: ACC 202, 510, or 710. A study of accounting procedures, systems, and techniques to provide data for managerial decision making. Subjects include planning, cost control concepts, analysis of relevant cost, and limitations of data.

825 Advanced Auditing. (3) II. Prerequisite: ACC 441 with a minimum grade of "C." Rules of professional conduct; auditing standards and case studies of AICPA; auditing rules and regulations of SEC; analysis of problem areas in reporting.

827 Research in Taxes. (3) I. Prerequisite: ACC 322 and instructor approval. An intensive analysis of the Internal Revenue Code. Research and discussion of tax problems involving businesses and tax planning.

828 Accounting Theory. (3) II. Prerequisite: strong accounting background. History and theory of accounting as discussed in accounting literature, periodicals, research bulletins, and publications of professional organizations.

840 Seminar in Accounting. (3) A. Prerequisite: strong accounting background. This course involves directed readings and intensive investigations into controversial and specific areas of accounting. Oral and written reports are required.

890 Special Problems in Accounting. (1-6) A. May be retaken under different subtopics for a cumulative maximum of 6 hours.

DEPARTMENT OF

BUSINESS ADMINISTRATION

CHARLES L. HILTON, Chair

The Department of Business Administration in cooperation with the Graduate School and the College of Business, participates in the Master of Business Administration program.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Course Descriptions

GBU — GENERAL BUSINESS

704 Administration Policy. (3) I, II. Formerly MGT 504. Prerequisite: Student has completed or is concurrently completing business core. A study of administrative processes under conditions of uncertainty, including integrative analysis and formulation of strategy and supporting policy at administrative/executive levels. Credit will not be awarded for both 704 and 504.

749 Business Consulting Practicum. (3) A. Prerequisites: senior or graduate standing and instructor approval. Students work under faculty supervision in a consulting role with business firms, identifying problems, recommending corrective action, and implementing new procedures. Credit will not be awarded for both 749 and 549.

815 Business Policy. (3) II. A capstone perspective of business problems in all functional areas; develops systematic, analytical skills in formulating and implementing business decisions.

MGT — MANAGEMENT

700 Administrative Behavior. (3) I, II. Prerequisite: MGT 300. Determinants and consequences of behavior in business organizations are analyzed in the contemporary language of administrative social systems and models. Interdependence of economic, social, and behavioral factors is emphasized. Credit will not be awarded for both 700 and 500.

710 Survey of Management and Production. (3) I. Survey of management and production principles and of organization behavior theory. Part of common body of knowledge for the MBA program. Credit not granted for both MGT 710 and MGT 300; furthermore, credit will not be awarded for both 710 and 510.

750 Management Seminar. (3) A. May be retaken under different subtopics for a cumulative maximum of 9 hours. Selected topics in contemporary management literature. Credit will not be awarded for both 750 and 550.

790 Special Problems in Management. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars. Credit will not be awarded for both 790 and 590.

800 Administrative Analysis in Organizations. (3) I. Prerequisite: MGT 300, 510, or 710. Primary emphasis upon the development of administrative theory and application to modern and developing forms of business organization. Heavy emphasis placed on advanced applications of the primary functions of the manager.

820 Advanced Management Concepts. (3) II. Prerequisite: MGT 300, 510, or 710. Examines the evolution of management concepts and philosophies. An analysis of the contributions of various philosophies toward the synthesis of an eclectic philosophy of management.

890 Independent Study in Management. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent study of selected topics in management.

MKT — MARKETING

700 Marketing Research and Analysis. (3) I. Prerequisite: MKT 300 and ECO 220. The role of research in marketing decision-making; the research process, with emphasis on collection, analysis, and interpretation of data as applied to solving marketing problems. Students are required to do a research project. Credit will not be awarded for both 700 and 500.

704 Marketing Management. (3) II. Prerequisite: MKT 300 or departmental approval. The strategic marketing planning process involving analysis of the changing market place, analysis of alternative strategies to meet the needs of target markets, and the profitable execution of the marketing plan. Credit will not be awarded for both 704 and 504.

790 Special Problems in Marketing. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshop, special topics, or seminars. Credit will not be awarded for both 790 and 590.

800 Marketing Problems. (3) I. A survey, analysis, and evaluation of current trends, controversial issues, and advanced technology in the field of marketing; oriented toward decision making from the standpoint of marketing administration in the firm.

890 Independent Study in Marketing. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent study of selected topics in Marketing.

TPD — TRANSPORTATION AND PHYSICAL DISTRIBUTION

790 Special Problems in Transportation and Physical Distribution. (1-6) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent work, special workshops, special topics, or seminars related to transportation/physical distribution. Credit will not be awarded for both 790 and 590.

890 Independent Study in Transportation and Physical Distribution. (1-4) A. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent study of selected topics in transportation and physical distribution.

DEPARTMENT OF

FINANCE AND BUSINESS SYSTEMS

BRUCE K. BLAYLOCK, Chair

The Department of Finance and Business Systems, in cooperation with the Graduate School and the College of Business, participates in the Master of Business Administration program.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Course Descriptions

CIS — COMPUTER INFORMATION SYSTEMS

790 Special Problems in Data Processing. (1-4) A. Formerly EDP 595. Prerequisite: advisor/departmental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Credit will not be awarded for both 790 and 590.

800 Computer Information Systems. (3) A. Formerly EDP 600. Characteristics, nature, and potential of computerized information systems; computer-base system planning; matching the computer system to the needs of the organization.

804 Introduction to Information Processing. (3) A. Formerly EDP 604. Functional application and corresponding problems involving the interaction of business operations and CIS equipment/personnel; alternative methods of input/output, file organization, and report generation; emphasis placed on mini- or time-shared CIS systems.

810 Information Systems Management. (3) A. Formerly EDP 610. Prerequisite: CIS 800 or advisor/instructor approval. Overview of relationships among information, organizational framework, and the management function with emphasis on data center administration, data base management, computer installation, human resource management, multicenter networks, distributed intelligence, and the organizational economics of information.

820 Contemporary Topics in Information Systems Seminar. (3) A. Formerly EDP 620. Prerequisite: CIS 800 or advisor/instructor approval. Application of basic information systems concepts to contemporary problems such as privacy, governmental regulations, international problems, societal impact, political process, environmental and economic evolution, human behavior, and educational processes.

890 Independent Study in Computer Information Systems. (1-4) A. Formerly EDP 690. Prerequisite: advisor/departamental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent study in selected topics in computer information systems.

FIN — FINANCE

790 Special Problems in Finance. (1-4) A. Prerequisite: advisor/departamental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Credit will not be awarded for both 790 and 590.

800 Administrative Analysis in Finance. (3) II. Readings, problems and case study of current controversial issues with emphasis on decision-making in the financial administration of the firm.

801 Seminar in Investments. (3) I. Readings on traditional and current issues emphasizing valuation, selection, and portfolio management of securities.

890 Independent Study in Finance. (1-4) A. Prerequisite: advisor/departamental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent study of selected topics in finance.

INS — INSURANCE

790 Special Problems in Insurance. (1-6) A. Prerequisite: advisor/departamental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Credit will not be awarded for both 790 and 590.

876 Employee Benefit Planning. (3) A. Analysis of employer-sponsored group life insurance, group health insurance, and retirement plans for employees, including plan design, taxation, financing alternatives, integration with public programs, and contemporary problems and issues.

878 Business Risk Management. (3) A. Analysis and treatment of the non-speculative risks faced by modern business firms, including legal liability and property risks, retention and self-insurance, captive insurers, loss prevention, risk avoidance and transfer, and insurability of business risks.

890 Independent Study in Insurance. (1-4) A. Prerequisite: advisor/departamental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Independent study of selected topics in insurance.

RST — REAL ESTATE

700 Property Valuation. (3) A. Prerequisite: RST 345. The valuation process in real estate as it applies to residential, commercial and industrial financing, investment management, and tax consideration. Credit will not be awarded for both 700 and 500.

790 Special Problems in Real Estate. (1-6) A. Prerequisite: advisor/departamental approval. May be retaken under different subtopics for a cumulative maximum of 6 hours. Credit will not be awarded for both 790 and 590.

800 The Real Estate Process. (3) I. A survey of real estate, its processes and applications.

890 Special Problems in Contemporary Real Estate. (3) A. Prerequisite: RST 700, RST 800, and ECO 804. An individual study which

would form the basis of a major research paper for that area of real estate the student plans to follow as a career upon graduation. May be retaken under different subtopics for a cumulative maximum of 6 hours.

DEPARTMENT OF

ECONOMICS

DONALD SHADOAN, Chair

The Department of Economics, in cooperation with the Graduate School and the College of Business, participates in the Master of Business Administration program.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Course Descriptions

ECO — ECONOMICS

710 Survey of Economics. (3) A. A study of the basic micro and macro principles necessary for graduate study in economics. Credit will not be given to students who have taken ECO 230 or ECO 231. Credit will not be awarded for both 710 and 510.

720 Economic Thought and Philosophy. (3) II. Prerequisite: ECO 230 and ECO 231. The evolution of economic ideas from the Mercantilist period until present. Relation of the various schools of economic thought to the development of a market system philosophy. Credit will not be awarded for both 720 and 520.

***730 Quantitative Methods in Accounting, Business and Economics. (3) I, II.** Prerequisite: ECO 220 or instructor approval. Probability, decision-making, linear programming, game theory, inventory models, queuing models, transportation problems, and simulation techniques.

760 Special Problems in Economics. (3) A. Prerequisite: advisor/departamental approval. Independent work, special workshop, special topics, or seminar. Credit will not be awarded for both 760 and 560.

770 Health Care Economics. (3) A. Prerequisite: ECO 230. Introduction to health economics; prices and profit in medical care; demand, production and cost in the health care sector; health care planning, investment, and financing. Credit will not be awarded for both 770 and 570.

780 Natural Resource and Environmental Economics. (3) II. Prerequisite: ECO 230 or departamental approval. Economic tools used in the allocation of natural resources, including policy proposal criteria, resource allocation, conservation, the state's role, benefit-cost analysis, and environmental impact assessment. Credit will not be awarded for both 780 and 580.

795 The Economics of Growth and Development. (3) II. Prerequisite: ECO 230 and ECO 231. The measurement of underdevelopment, the international distribution of income, the causes of economic growth, public policy for the promotion of economic growth, theories and development. Credit will not be awarded for both 795 and 595.

800 Managerial Economics. (3) II. Prerequisite: ECO 230 and ECO 231. Economic concepts directly relevant to decision making, including demand, forecasting, cost analysis, production theory, and pricing under competitive and imperfect market conditions.

804 Advanced Business Statistical Applications. (3) I. Prerequisite: ECO 220 or equivalent. Develops business and economic applications emphasizing the general linear model. Includes statistical inference, regression models, non-parametrics, and analysis of variance. Emphasis upon description and prediction of business and economic phenomena.

*Credit can be received for only one of the following courses: ECO 730, ECO 530, CIS 390, MGT 340.

807 Economics _____. (1-3) A. Prerequisite: advisor/departmental approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles for a cumulative maximum of 9 hours.

820 Contemporary Economic Problems. (3) A. Prerequisite: ECO 231 and instructor approval. Application of economic principles to certain contemporary economic problems such as growth, stability, taxation, employment, poverty, national debt, gold, monetary, and fiscal problems.

860 Independent Study in Economics. (1-6) A. May be retaken under different subtopics for a cumulative maximum of 6 hours.

DEPARTMENT OF

BUSINESS EDUCATION AND OFFICE ADMINISTRATION

ALFRED PATRICK, Chair

Students may earn the Master of Arts in Education degree with an option in business education. For information concerning admission to this degree program, consult the College of Education section of the Graduate Catalog.

College of EDUCATION

DIXON A. BARR, Dean J. LINWARD DOAK, Associate Dean

Eastern Kentucky University has maintained a strong interest in and commitment to the preparation of teachers since its founding in 1906 and is dedicated to the preparation of teachers to function effectively in a culturally diverse society in order to meet the needs of all students.

The College of Education, in cooperation with the Graduate School, offers the Masters of Arts in Education degree programs for elementary teachers, guidance counselors, librarians, secondary teachers, and special education teachers. Other graduate programs include a fifth year program for certificate renewal leading to a Rank II certification; a sixth year program leading to Rank I certification; the Master of Arts degree in counseling for industrial and community services; a program in student personnel services in higher education; the Master of Music Education degree; the Specialist in Education degree in administration and supervision, elementary education, physical education, school counseling, student personnel services in higher education, special education; and a joint doctoral program (Ed.D.) with the University of Kentucky.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

MASTER OF ARTS IN EDUCATION SPECIAL PROGRAM REQUIREMENTS

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Course Descriptions

OAD — OFFICE ADMINISTRATION

760 Office Management. (3) A. Function and organization of offices; office layout and equipment; personnel; work simplification and control; technology in the office; planning, organizing, and controlling office services; systems and job analysis. Credit will not be awarded for both 760 and 560.

780 Special Problems in Office Administration. (1-4) A. May be retaken under different subtopics for a cumulative maximum of 6 hours. Credit will not be awarded for both 780 and 580.

800 Business Research and Report Writing. (3) I. Prerequisites: ECO 220, OAD 301 or 400 or demonstrated proficiency. Nature and importance of business research, research methodology, statistical applications, principles and mechanics of formal report writing, completion of analytical report.

880 Independent Study in Office Administration. (1-4) A. May be retaken under different subtopics for a cumulative maximum of 6 hours.

The following are general requirements for the Master of Arts in Education. In addition to these general requirements and the University requirements of the Graduate School, specific program requirements may be found in the appropriate departmental section of this catalog.

Admission to Candidacy — All candidates must furnish evidence of teaching certification in their chosen field of study prior to admission to candidacy.

Students shall present an acceptable score on the Graduate Record Examination prior to admission to candidacy for the degree.

All qualified degree-seeking students should initiate candidacy proceedings through their advisors during their first semester of graduate enrollment. A complete plan of studies for the program shall be devised, recommended by the advisor, and filed with the committee chair, department and/or college, and submitted to the Dean of the Graduate School for approval.

The candidate's advisor shall recommend an applicant's admission to candidacy to the Graduate School following a positive appraisal of the student's academic proficiency and other factors deemed important for completion of the particular curriculum in which the student is working.

A minimum graduate grade point standing of 3.0 is required for admission to candidacy. No graduate credit shall be granted for a grade below "C."

Additional criteria may be employed by a graduate committee, providing these criteria shall first have been approved by the appropriate University committees.

Students should note that it is their responsibility to ini-

tiate candidacy proceedings through their advisors as soon as they have enrolled in their first graduate classes. If they fail to exercise this responsibility prior to completion of the first 12 hours of graduate coursework, they may not re-enroll until candidacy proceedings have been completed. Students will not be permitted to enroll in any of the last 18 hours of a degree program if a candidacy has not been approved. Admission to candidacy must be completed prior to scheduling of the comprehensive examinations.

Please refer to the General Academic Information section of this Catalog for more information on degree completion requirements.

Program Planning — Every candidate for the degree shall present a minimum of 9 semester hours in professional education as a component of the graduate program and meet all requirements for provisional certification.

The remainder of the course work shall be determined by the institution in terms of the student's need, provided (1) that at least 12 hours shall be in an approved teaching field, and (2) that all such course work shall be approved graduate level credit.

Transfer Credits — Candidates for the Master of Arts in Education degree are restricted to transfer of not more than 9 semester hours.

Thesis — The thesis is not required in any program leading to the Master of Arts in Education degree. Students with special research interests are encouraged to explore thesis possibilities with their advisor.

Comprehensives — The candidate will have an opportunity to demonstrate professional growth through a written and/or oral examination covering education and major program components during the term in which graduation is scheduled.

Competency Examinations — Every candidate for the degree is required to take a common education core and a subject matter specialization competency examination for program evaluation.

Curriculum Requirements for Graduate Programs in Education — Common to all programs leading to the degree Master of Arts in Education is the professional education core from which a minimum of 9 hours must be completed.

A minimum of 6 semester hours must be taken from the three following areas, with at least one course from two different areas.

EDF 869, Research in Education, is required prior to the completion of the first 9 semester hours in the masters program.

Area I. Historical/Philosophical

EDF 832 History of Education in the United States	3 hours
EDF 835 Critical Thinking in the Educational Process	3 hours
EDF 836 Philosophy of Education.....	3 hours
EDF 837 Comparative Education	3 hours

Area II. Sociological/Psychological

EDF 815 Human Development.....	3 hours
EPY 816 Tests and Measurements	3 hours
EDF 850 Educational Sociology.....	3 hours
EPY 852 Advanced Educational Psychology	3 hours
EPY 823 Educational Implications of Learning Theories	3 hours
EDF 855 Foundations of Multicultural Education	3 hours

Area III. Curriculum/Instructional

SED 800 Exceptional Learners in Regular Classrooms	3 hours
Open only to non-Special Education graduate students.	
ELE 810 Elementary School Curriculum.....	3 hours
ELE 811/ESE 811 Humanistic Teaching—	

Strategies and Behaviors	3 hours
ESE 812 Curriculum Theory and Development	3 hours
ESE 863 Secondary School Curriculum.....	3 hours

The latitude of course selection provided above imposes an additional responsibility upon the student and his advisor. Individuals interested in post-master's degree certificates in administration and supervision should exercise particular care in course selection.

Students who are taking their initial coursework at off-campus centers must file through their advisor a complete program of study with the Dean of the Graduate School prior to the completion of not more than 12 hours of graduate credit.

RANK II CERTIFICATION, THE FIFTH YEAR PROGRAM

To provide an alternative to a master's degree program for teachers, the College of Education offers, in cooperation with other colleges of the University, a fifth year of study leading to the Rank II classification and renewal of the elementary and secondary teaching certificate.

The fifth year program is a minimum of 32 semester hours which includes:

1. 12 hours to be taken in the area of teacher specialization
2. 12 hours of professional education
3. 8 hours chosen to fit general or specific needs of candidates without regard to offering department.

Programs of study must be approved and filed with the advisor and the Office of Student Services no later than the term in which the first six hours are to be completed.

The professional education core requirements may be met through completion of:

1. A minimum of six hours with at least one course chosen from two of the following areas:
 - A. EDF 832, 835, 836, or 837
 - B. EDF 815, 850, 855, EPY 816, 823, or 852
 - C. SED 800, ELE 810, ESE 812, 863, or ELE/ESE 811
2. 6 additional hours of professional education selected from approved courses offered in the College of Education

General institutional guidelines include:

1. Students must have Rank III (Provisional certification) through a regionally accredited institution.
2. 12 hours must be completed at the graduate level.
3. 6 hours of approved course work may be transferred from accredited four year colleges.
4. At least 18 of the 32 semester hours must be earned at Eastern.
5. Candidates for the Rank II classification must have a grade point standing at the completion of the program of 2.5 on a 4.00 scale. No more than 40 credits (32 required) may be submitted to achieve the necessary average.
6. Course credits specified for Rank II cannot be more than 10 years old at the completion of the program.
7. Credit earned by correspondence shall not apply toward the fifth year program.
8. Appropriate credits earned in the Rank II Fifth Year program may be applied in graduate degree programs. Rank II program credits with earned grade of "C" or lower may not be applied to subsequent graduate degree programs. A student who desires to enter the master's degree program after completion of the non-degree fifth year program must:
 - a. make application for and be recommended by the appropriate department where the master's degree program is offered.
 - b. meet all current academic criteria specified for admission to and completion of the requested master's degree.

RANK I CERTIFICATION, THE SIXTH YEAR PROGRAM

The College of Education, in cooperation with the offering Departments within the College of Education, other colleges of the University, and the Graduate School, offers Rank I programs for teachers, guidance counselors, school administrators, supervisors, and directors of pupil personnel.

Program guidelines are highly flexible. General institutional guidelines include:

1. A minimum 30-semester hour program in addition to:
 - a. requirements for Rank II classification, or
 - b. 60 semester hours including the master's degree.
2. Each program shall be planned in consultation with the student's advisor after completion of 9 and not more than 18 semester hours of acceptable work toward the Rank I classification program. The planned program shall be filed with the Office of Student Services. Upon application by the student and completion of the program, the certification officer shall recommend Rank I classification to the State Department of Education.
3. Students shall be fully admitted to the Graduate School prior to approval of the Rank I planned curriculum by the advisor and the filing of the curriculum with the Office of Student Services.
4. At least 15 semester hours shall be taken at Eastern Kentucky University. The remaining 15 semester hours credit may be taken at Eastern or, upon approval by the advisor, at other accredited graduate schools and transferred.
5. All courses in the 30 semester hour requirement for Rank I shall be graduate level and a "B" average shall be required for certification. No credit shall be allowed for any course carrying a grade lower than "C." At least 12 hours shall be courses open only to graduate students. Only graduate credits not used in the Rank II (Fifth-Year) program shall be considered in the Rank I program. All credits earned in the master's degree program can be included in the 60 hours required for completion of the Rank I program.
6. The Rank I program shall include 6 additional semester hours of professional education, 24 hours of courses in a certified teaching field (combined in the Rank II and Rank I program) and free electives to total 30 semester hours. Preparation-certification programs for school administrators, guidance counselors, pupil personnel directors, and librarians can be part of a Rank I program.
7. Course credit specified for Rank I cannot be more than ten years old at the completion of the program.
8. For any specific requirement applicable to special fields or individual departments, contact the appropriate department or school.

SPECIALIST IN EDUCATION DEGREE

Nature and Purpose of the Degree

The Specialist in Education degree is a professional degree, designed for those preparing for positions which call for a level of study and specialization beyond the master's degree. Specific goals are:

1. Increase the effectiveness and competence of elementary and secondary classroom teachers as specialists in planning and guiding learning experiences.
2. Provide the additional preparation needed for certification and competence in a specialized school position, in the role of college teacher, and by those engaged in student personnel work.

The 30-hour minimum requirement is a structured and unified program oriented toward the student's professional objectives. For selected students, planning for the specialist degree may begin following completion of the baccalaureate degree.

For some students, the Specialist in Education degree may lead to advanced study for the doctorate.

Students are urged to spend as much time in full-time residence as possible. Extensive use of the library, informal associations with fellow students and with staff, and participation in non-class activities provided by the University afford important learnings that can only be realized through full-time study.

Admission Requirements

The promise of the applicant as a successful professional worker in a chosen field is central to admission to the specialist program. To this end, admission to the Specialist in Education program is based upon the following entrance requirements:

1. Completion of requirements for the master's degree from an accredited college or university.
2. A score on the combined aptitude tests of the Graduate Record Examination at a level above the 65th percentile based on scores achieved by Eastern Kentucky University seniors within programs.
3. Successful professional experience appropriate to and as required in specific programs.
4. Evidence of academic competence, physical and emotional health, and moral character based on letters of recommendation from graduate faculty and professional associates in administrative and/or supervisory roles.
5. Completion of application forms for admission to the program.
6. Personal interview, following receipt of the above data, with a screening and selection committee composed of three persons appointed by the departmental chair. The interview should be held as early as possible, but not later than the student's first semester of enrollment and prior to application for admission to candidacy.

Program Requirements

Each candidate's program of study will be designed to meet specific needs as they relate to the chosen field of specialization. Provision is made for a core of courses, for additional courses in the area of specialization and in cognate fields as appropriate, for independent study, and for the development of a specialist project.

Core courses. A 9-hour block of courses is a part of all Specialist in Education programs. These 9 hours relate to the kind of experimentation and action research that are a part of the continuing work of the educator. The student is provided opportunity to become acquainted with research in the field of specialization and to gain the needed background in the methodology of experimentation. (Core courses are identified in the individual departmental section.)

Additional work in the area of specialization. Courses, seminars, and practice in the area of specialization are named and described in the section relating to the particular program.

Independent study. Students admitted to candidacy for the specialist degree may engage in independent study with credit. Other than those directly related to the specialist project, activities may include library research, conferences, discussions, writings, observations, visits, interviews, and direct practical experience in the field of specialization. Credit is based upon evidence of growth in accord with the goals outlined for the independent study by the student and advisor.

Specialist project. The specialist project is another form of independent study in which each student engages. It is planned with reference to the professional goals of the student and needs and interests as related to those goals. A

written report will be made embodying the results of the investigation.

Overall guides for program requirements. In addition to the previously stated requirements, the following guides should be noted.

1. A minimum of 30 semester hours of graduate work beyond the master's degree, including the specialist project, must be completed.
2. Eighteen hours of course work must be completed after admission to candidacy.
3. Candidates may take a maximum of 9 semester hours of 800 level or equivalent credit through transfer from an institution with a recognized sixth-year graduate program. Course work so completed must be approved by the student's advisory committee as meeting program requirements.
4. All credit applied to the Ed.S. degree must be in courses numbering 800 and above.
5. Minimum residence requirements can be met through one regular enrollment period, exclusive of intersession, as a full-time graduate student.
6. The expected time limit for the completion for all requirements for the Ed.S. degree is six years from the date of admission to the specialist degree program. All course credits must be earned within the eight-year period prior to the awarding of the degree.

The candidate for the Ed.S. degree advances toward the awarding of that degree as the following steps are taken in the order indicated.

Admission to Candidacy for the Ed.S. Degree

Application for admission to candidacy for the Specialist in Education degree should be filed by the student with the chair of the advisory committee:

1. When a minimum of 9 semester hours of graduate credit beyond the master's degree has been earned at Eastern Kentucky University. (A minimum of 18 semester hours must be taken after admission to candidacy.)
2. When work taken toward the Ed.S. degree shows an overall graduate grade point average of 3.3 or above.
3. When the advisory committee has approved the planned program of study and a copy of this program has been filed with the committee chair, the departmental chair, and the Dean of the Graduate School.

Following the student's initiation of application for candidacy, the committee, through its chair, recommends candidacy to the Graduate School.

Completion of Degree Requirements

In working with the student toward the completion of degree requirements, the chair of the advisory committee will take a leadership role. Other members of the committee will serve in a supporting role as requested by the chair and/or the student. Major activities of the committee include:

1. Advising with the student regarding the selection of the specialist project.
2. Assisting in its development and recommending approval of the written report of the project.
3. Participating in the final oral presentation and defense of the project.
4. Recommending the awarding of the Ed.S. degree.

The student will be awarded the Specialist in Education degree when the following requirements have been met:

- a. Completed course requirements (minimum of 30 semester hours) with an overall graduate grade point average of not less than 3.0 (4 point scale).
- b. Satisfactorily passed final comprehensive written and/or oral examinations required by the department.
- c. Submitted the report of the specialist project, in writing, to members of the committee and secured their approval to arrange for an oral examination and de-

fense of the project. (The completed project must be submitted to committee members at least one week prior to the scheduled defense. The oral defense must be scheduled at least three weeks prior to the close of the semester in which the degree is to be awarded.)

- d. Satisfactorily defended the project in an oral examination.
- e. Presented *two approved* copies of the project, unbound in final form, to the Graduate School at least three weeks before the close of a regular term or two weeks for the summer term in which the student is to be certified for graduation. In preparing final copies of the project, as well as the copies submitted in "c" above, it is recommended that the American Psychological Association *Publication Manual* be followed.
- f. Has prepared and presented to the Graduate School four copies of an abstract of 400 to 600 words suitable for publication. The abstract is due when copies of the project are filed.
- g. Has taken a common education core and a subject matter specialization competency examination for program evaluation.
- h. Filed an application for graduation as instructed by the Graduate School.

THE JOINT DOCTORAL PROGRAM IN EDUCATION

The College of Education provides course work for the major field of study in support of the Joint Doctoral Program cooperatively offered, through the Graduate School, with the University of Kentucky. The final degree is awarded by the University of Kentucky.

Special Program Requirements*

Admission — The applicant should present a score of at least 1,000 on the combined verbal and quantitative aptitude test of the Graduate Record Examination.

Normally three years of appropriate experiences are required.

Committee — The student's advisory committee shall be comprised of three members of the graduate faculty from the University of Kentucky and two members of the graduate faculty from Eastern Kentucky University. At least one of the Eastern representatives will be from the College of Education.

Residence — The student must complete a minimum of 18 semester hours of his/her doctoral course work, take the qualifying examinations, and complete the dissertation project at the University of Kentucky.

The minimum residence period at the University of Kentucky is one academic year.

Program — The following majors are offered through the program: administration and supervision, curriculum and instruction, educational psychology and counseling, higher and adult education, social and philosophical studies in education, special education, and vocational education.

*Students must also meet the general requirements of the Graduate School.

Student Services

Teacher Certification

GLYNN N. CREAMER, Director

The Office of Student Services receives and processes applications for teaching certificates (Rank III, II, and I) and additional certificates for school personnel (principals, supervisors, superintendents, counselors, psychologists, pupil personnel directors, business administrators, and librarians).

Planned programs for non-degree teacher certification programs are received and maintained in the Office of Student Services.

Those students seeking initial teaching certification must meet all the requirements for admission to the teacher education program as stated in the Undergraduate Bulletin.

Educational Research and Evaluation

ROBERT L. BYRNE, Director

This office performs two major functions. First, it provides a central location for the collection and summary of statistical information relevant to quality control of the teacher education product. The Director coordinates the selection, administration, and analysis of measurement instruments utilized in the admission to the teacher education process and also those instruments appropriate for evaluating students during the professional semester. This office regularly conducts follow-up studies of graduates of the teacher education program. Second, it provides services to faculty and students for identifying research hypotheses, assistance in formulating the procedure, analysis of data, and dissemination of information.

DEPARTMENT OF

ADMINISTRATION, COUNSELING, AND EDUCATIONAL STUDIES

ERNEST R. WHITE, Chair

The Department of Administration, Counseling and Educational Studies offers degree and non-degree graduate programs in educational administration and counseling. It also provides graduate instruction in that common core of learnings (foundations) required of all master's degree programs in education and in other related fields.

Educational Administration

WALTER MARCUM, Program Coordinator

Educational Administration offers programs for elementary and secondary principals, supervisors, school business administrators, and superintendents. Course work in these areas is designed for those who seek certification and Rank I programs. The Specialist in Education degree is offered in administration and supervision.

Special Program Requirements

All students seeking certification in educational administration must meet special departmental requirements and the general requirements for entry into the Graduate School and to sixth year graduate programs. The departmental Admissions Committee recommends the student for admission to specific certification programs.

The Standard Teaching Certificate is a prerequisite for institutional recommendation for certification as an elementary principal, secondary principal, superintendent, and supervisor of instruction. No one will be recommended for certification in these programs without the Standard Teaching Certificate.

CURRICULUM FOR THE ELEMENTARY PRINCIPAL

The program of preparation for the Professional Certificate for School Administration and Supervision, endorsed for the position of Elementary School Principal, shall consist of a minimum of 45 semester hours graduate credit, including the master's degree, the Standard Elementary Certificate, and the administrative core.

Administrative Core..... minimum 15 hours
EAD 800, 806, 811, EPY 816, and EPC 713.

Substitutions will be made with the advisor's approval for any of the above courses taken at the master's degree level. All candidates must have completed a graduate course in elementary curriculum prior to certification.

Rank I Options

Persons holding the above certificate may, upon proper application and admission, elect to complete the program leading to Rank I. With the approval of the advisor, electives in the Rank I program may be selected from programs leading to other areas of certification in administration.

CURRICULUM FOR THE SECONDARY PRINCIPAL

The program of preparation for the Professional Certificate for School Administration and Supervision, endorsed for the position of Secondary School Principal, shall consist of a minimum of 45 semester hours graduate credit, including the master's degree, the Standard High School Certificate, and the administrative core.

Administrative Core..... minimum 15 hours
EAD 800, 809, 811, EPY 816, and EPC 713.

Substitutions will be made with the advisor's approval for any of the above courses taken at the master's degree level. All candidates must have completed a graduate course in secondary school curriculum prior to certification.

Rank I Options

(See statement under Elementary Principal program).

CONVERSION PROGRAMS

It is possible to convert from the elementary principalship to the secondary principalship, or vice versa, through taking additional graduate courses recommended by the student's advisor in the principalship program.

CURRICULUM FOR THE SUPERVISOR OF INSTRUCTION

The program of preparation for the Professional Certificate for School Administration and Supervision, endorsed for the position of Supervisor of Instruction, shall consist of a minimum of 45 semester hours graduate credit, including the master's degree, either the Standard Elementary or Standard High School Certificate, and the administrative core.

Administrative Core..... minimum 15 hours
EAD 811, EPY 816, ELE 810, 873, SED 775 and ESE 863.

With the advisor's approval, appropriate substitutions in the same subject areas may be made for ELE 873 and SED 775. Some of the above are customarily taken as part of the master's level program. If not, all 18 hours will be required for the supervisor's certificate.

Rank I Options

(See statement under Elementary Principal Program).

CURRICULUM FOR THE SUPERINTENDENCY

The curriculum for the school superintendent shall include a minimum of 60 semester hours graduate credit including the master's degree. Those students holding a professional certificate in administration and supervision with an endorsement as an elementary or secondary principal may find that a minimum of 15 additional semester hours will qualify them for the superintendency. The superintendency certificate and Rank I program in this area

shall include the master's degree; either the elementary or secondary principalship program listed above; and ELE 810, ESE 863, EAD 802, 803, 805, and 840, plus no less than 6 graduate hours of behavioral science.

CURRICULUM FOR THE SCHOOL BUSINESS ADMINISTRATOR

Prerequisite - Possession of the bachelor's degree from an accredited four-year college or university with a major or minor in business, commerce, accounting or management. Candidates must be admissible to graduate study and provide evidence of commitment to a career in school business management.

Provisional Certificate - No less than 18 semester hours applicable toward the standard certificate for school business administrator, 9 of which must be completed at Eastern; 6 of these 9 hours must be graduate level courses. The applicant must check with the advisor as to other institutional and state requirements.

Standard Certificate - A master's degree in the appropriate field, plus three years experience and other conditions set by the State Department of Education, plus the following: ACC 201, 202, 700, GBU 301, FIN 460, OAD 760, EAD 802, 803, and 805; one course from EDF 832, 836, or 850; two courses from EAD 800, 806, 809, 811, or 840.

CURRICULUM FOR THE SPECIALIST IN EDUCATION DEGREE

The applicant for the Specialist in Education degree must work closely with the advisor on such things as:

1. Evaluation of previous graduate work.
2. Fulfilling requirements set forth in the guidelines for the degree.
3. Completing required application forms.
4. Establishing a program which lists courses to be taken for the area of specialization.

Admission - acceptable scores on the Graduate Record Examination, and acceptable undergraduate and prior academic record; a record of professional experience satisfactory to the Department.

Admission to candidacy - Graduate School requirements, described in the General Academic Information Section of this Catalog must be satisfied. Departmental requirements, including a positive assessment of the individual's professional promise, must be met.

Curricula will be individually planned.

Research Core..... 9 hours
EAD 898, 899, and EDF 895.

Administrative Core..... 21 hours
EAD 800, 802, 803, 805, and 811; EAD 806 or 809; ELE 810 or ESE 863.

Minimum Program Total..... 30 hours

Comprehensives - Candidates will be expected to provide evidence of professional maturity through written and/or oral comprehensive examinations.

Course Descriptions

EAD — EDUCATIONAL ADMINISTRATION

768 Administration and Organization of Physical Education. (2) I, II. Policies and procedures of administration on the elementary and secondary school level. Emphasis on construction and care of facilities, equipment and supervision of personnel. Credit will not be awarded for both 768 and 568.

800 Introduction to Educational Administration. (3) I, II. Theories of administration and practice at the district and community level. Administrative functions and types of school organizations are examined.

801 School Personnel Administration. (3) A. Principles of personnel administration and their application in obtaining, utilizing, compensating, developing, and separating school personnel.

802 School Buildings and Grounds. (3) I. Emphasis on the cooperative planning of school buildings which fit the school program

as identified by educational specifications. Equipping, furnishing, and maintaining buildings are studied.

803 School Finance. (3) II. Problems, issues, trends, and the structure of financing schools. Systems analysis, program budgeting, and accountability are analyzed at state/local levels.

805 School Law. (3) I, II. Legal principles and interpretations of constitutional and statutory laws. Judicial decisions, school codes pertaining to administration and supervision of public and private schools.

806 The Elementary School Principal. (3) I. Prerequisite: EAD 800. Organization and management of the elementary school. Study of the various duties, demands, and responsibilities of the elementary school principal in providing professional and educational leadership.

807 Educational Administration and Supervision: (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

808 Administration and Supervision of Early Childhood Education Centers. (3) A. Legal and practical aspects of administration and supervision in early childhood education, including funding, staffing, staff development, parental involvement, facilities, record keeping, health, and community relations. Special attention to Kentucky statutes and policies and to federal guidelines.

809 The Secondary School Principal. (3) II. Prerequisite: EAD 800. Organization and management of the secondary school principal in providing professional and educational leadership. Study of various duties, demands, and responsibilities of the secondary school.

811 Supervision of Instruction. (3) I, II. Organization and functions of school supervision, current practices, problems, objectives, and techniques.

821 Practicum in Administration and Supervision. (3) II. Prerequisite: Professional certificate in administration and supervision. Field experiences with emphasis on organization and administration of schools. Campus seminars will be held to analyze problems and experiences of the field activities.

825 The Role of the Supervisor in Physical Education. (3) A. Philosophy and principles of supervision in physical education; competencies and duties of the supervisor of physical education; techniques and methods of supervision in physical education.

840 The Superintendency. (3) I. Specific competencies in combining administrative theory and practices. Appraisal of programs, purchasing, contracts, bonds and securities, central offices services, professional negotiations, role of school boards. Case studies.

891 Issues and Trends in Educational Administration and Supervision. (3) A. Exploration of basic issues and trends in the field of educational administration and supervision. Development and critical analysis of substantive positions on issues and movements.

897 Independent Study. (1-3) A. Designed for advanced graduate students who desire to investigate special problems relating to educational administration and/or supervision.

898 Project Development. (3) A. Prerequisites: Admission to Ed.S. program and EDF 869 or equivalent. Research and investigation in the area of specialization. Examination of appropriate design models. Development of acceptable project proposal.

899 Specialist Project. (3) A. Prerequisites: EDF 895 and EAD 898. Guided completion of a scholarly project appropriate to the student's field of specialization.

Educational Studies

ROBERT GRISE, Program Coordinator

Educational Studies provides instruction as a service to all degree programs. The courses offered are foundational in nature and contribute to that core of common learnings required in all master's degree programs in education and in other related fields.

Course Descriptions

EDF - EDUCATIONAL STUDIES

707 Problems in Educational Foundations. (1-3) A. Prerequisite: advisor/departamental chair approval. For independent work, special workshops, a special topic, or seminar. Credit will not be awarded for both 707 and 507.

726 Applying Research to Classroom Problems. (2) A. Study and interpretation of recent research for the help it can give in dealing with classroom situations and problems. Class members will be encouraged to focus on situations and problems directly related to their own teaching. Credit will not be awarded for both 726 and 526.

807 Educational Studies: _____. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshop, special topics, or seminars. May be retaken under different subtitles.

815 Human Development. (3) I, II. Study of the forces which influence physiological, psychological and social development, implications for classroom procedures and the role of the teacher in using these forces to promote learning.

832 History of Education in the United States. (3) A. Rise and development of public education in the United States. Sociological, psychological, and scientific movements in education; education reorganization; brief study of the development of public education in Kentucky.

835 Critical Thinking in the Educational Process. (3) A. A study of the process of critical thinking in education. Exploration of techniques and materials for teaching the art of reasoning, defining problems, and analyzing and evaluating information.

836 Philosophy of Education. (3) I, II. Meaning and scope of philosophy in education; contrasting philosophies and conceptions of education; evaluation and interpretation of present-day issues and problems in education.

837 Comparative Education. (3) I. Study of the development of educational thought and practice in selected nations of Europe, the Orient, and South America. Emphasis will be placed on intellectual, historical, and sociological factors.

850 Educational Sociology. (3) II. Investigation of the social forces and institutions influencing education. A study of cultural change, social control, social stratification, ethnic patterns, and religion and their effects on the school.

855 Foundations of Multicultural Education. (3) II. Examination of the education implications of cultural pluralism in America and selected societies of the world

869 Research in Education. (3) I, II. Fundamental principles of educational research. Required of all candidates for the Master of Arts in Education degree who do not prepare a thesis. Should be taken early in the graduate program.

895 Advanced Research Methodology. (3) I. Prerequisite: EDF 869 or equivalent. Theories and models of research design in the study of behavior and the educative process; statistical analysis of data. Research proposals may be developed.

Educational Psychology and Counseling

THOMAS BEARDSLEY, Program Coordinator

Educational Psychology and Counseling offers graduate programs with specializations for those students who wish to become school counselors, rehabilitation counselors, counselors in community and industrial settings, student personnel workers in higher education, or directors of pupil personnel. The following programs are offered.

Master of Arts in Education Degree

Elementary School Counseling
Secondary School Counseling

Master of Arts Degree

Industrial and Community Services Counseling
Student Personnel Services in Higher Education

Certification Programs

Standard Pupil Personnel Certification
Rank I (Sixth Year Non-Degree Program)

Specialist in Education Degree

School Counseling
Student Personnel Services in Higher Education

Special Program Requirements

MASTER OF ARTS IN EDUCATION DEGREE

The Master of Arts in Education degree with an option in counseling is required for provisional certification in elementary or secondary school counseling. The provisional certificate for school counselors shall be issued for a period of five years and may be renewed upon the completion of a minimum of eight semester hours of graduate credit every five years from a program leading to the standard guidance certificate. Applicants for certification should have had one year of teaching experience or one year of supervised internship in the school setting for which the individual plans to seek certification as a counselor. General requirements of the Graduate School must also be met.

Elementary School Counseling

MASTER OF ARTS IN EDUCATION

Persons with undergraduate certification in elementary education are eligible for admission to elementary school counseling at Eastern Kentucky University. The course of study is outlined below.

Professional Core Courses..... minimum 9 hours

EPY 816, EDF 869, and 3 hours from either the area of historical and philosophical foundations of education or the area of curriculum and instructional methods.

Counseling Area..... minimum 21 hours

EPC 713, 740, 820, 825, 832, and EPY 842; EPC 802 or 846.

Electives..... minimum 3 hours

EPC 802, 814, 822, 846, EPY 826, 827, or 854. Other electives may be chosen, with prior advisor approval, to meet individual needs. Prior to enrollment in a practicum course, the student should have completed a minimum of 20 semester hours in the graduate program.

Minimum Program Total..... 33 hours

Secondary School Counseling

MASTER OF ARTS IN EDUCATION

Persons with undergraduate certification in secondary education are eligible for admission to secondary school counseling. The course of study is outlined below.

Professional Core Courses..... minimum 9 hours

EPY 816 and EDF 869 are required; an additional three hours are required from either the area of historical and philosophical foundations of education or the area of curriculum and instruction methods.

Counseling Area..... minimum 21 hours

EPC 713, 740, 820, 822, 830, and EPY 842; EPC 802 or 846.

Electives..... minimum 3 hours

EPY 755, 826, 827, 843, 854, EPC 802, 814, or 846. Other electives may be chosen, with prior advisor approval, to meet individual needs. Prior to enrollment in a practicum course, the student should have completed a minimum of 20 semester hours in the graduate program.

Minimum Program Total..... 33 hours

Refer to the Special Program Requirements for the general M.A.Ed. degree in the introductory College of Education Section of this Catalog.

Industrial and Community Services Counseling

MASTER OF ARTS

Completion of this program leads to the Master of Arts degree. This degree does not require teacher certification. This program is designed to prepare guidance workers for service in a variety of settings such as state employment agencies, clinics and community counseling agencies, business and industry, federal programs, sheltered workshops, social welfare agencies, and community employment and training projects.

Common Core 15 hours
EDF 869, EPY 816, EPC 740, 820, and 836.

Required Courses 12 hours
EPC 713, 822, 846, and RHB 703.

Electives 6 hours

Electives must be chosen with the prior approval of the advisor to meet special needs and interests of the student.

Minimum Program Total 33 hours

Student Personnel Services in Higher Education

MASTER OF ARTS

Completion of this program leads to the Master of Arts degree. The degree does not require teacher certification. The program is designed to prepare persons interested in various guidance and counseling functions inherent to institutions of higher education, i.e., the technical school, junior college, or college.

Required Courses 27 hours
EPC 713, 740, 820, 822, 844, 845, EPY 842, and EDF 869; EHE 890 or 895.

Electives 6 hours

Electives must be selected with the prior approval of the advisor to meet the needs of the individual.

Minimum Program Total 33 hours

Student Personnel Services in Higher Education

SPECIALIST IN EDUCATION

Persons with master's degrees in other disciplines will need to complete requirements for the master's degree in student personnel services.

Professional Core Courses 9 hours
EDF 895, EPY 898, and 899.

Counseling Area 9 hours
EPC 851 and EPY 843; EPY 852 or 854.

Electives 12 hours

Electives are to be chosen, with prior consent of the advisor, to meet individual student program needs. All electives must be selected from courses numbered 700 or 800.

Minimum Program Total 30 hours

School Counseling

SPECIALIST IN EDUCATION

A program of a minimum of 30 hours beyond the master's degree is designed to provide depth in counseling content for the prospective or practicing school counselor. Persons with master's degrees in other disciplines must complete all requirements at the master's degree level in elementary school counseling or secondary school counseling.

Professional Core Courses 9 hours
EDF 895, EPY 898, and 899.

Counseling Area 15 hours
EPY 843, 854, EPC 802, and 814; EPC 847 or 849.

Electives 6 hours

Electives are to be chosen with the prior approval of the advisor to meet individual student needs. All electives must be from 700 or 800 level courses.

Minimum Program Total 30 hours

Certification Programs

STANDARD PUPIL PERSONNEL CERTIFICATE

Persons interested in certification as directors of pupil personnel must complete the requirements for the standard certificate. Candidates must have a master's degree and hold the standard teaching certificate as a prerequisite to eligibility for institutional endorsement for the pupil personnel certificate.

For Persons Holding the Standard Teaching Certificate

EPC 713, 808, 814, EPY 704, SED 802, and EAD 805.

Minimum Program Total 18 hours

For Persons Holding the Provisional Guidance Certificate

EPC 808, SED 802, EPY 704, EAD 800, and 805.

Electives: EPC 802 or ACC 700.

Minimum Program Total 18 hours

STANDARD GUIDANCE CERTIFICATE (RANK I)

One year of full-time counseling with the provisional guidance certificate and an acceptable program of study at the sixth year level is prerequisite to endorsement for the Standard Guidance Certificate. A minimum of 60 graduate hours must be earned to complete Rank I.

Each student must complete all courses required for the Provisional Counseling Certificate plus an additional 18 hours of counseling and educational psychology courses. Additional electives as needed for the individual's program must have the prior approval of the advisor.

A student with a master's degree in a discipline other than counseling may qualify for Rank I by completing all courses required for Provisional Guidance Certification.

Course Descriptions

EPY — EDUCATIONAL PSYCHOLOGY

704 Psychology of Individual Differences. (3)A. Prerequisite: undergraduate psychology course or instructor approval. Study and application of the facts of human variability, including differences in such areas as age, sex, class, intelligence, and achievement. Credit will not be awarded for both 704 and 504.

707 Problems in Educational Psychology and Guidance. (1-3)A. Prerequisite: advisor/instructor approval. Independent investigation of a research problem or directed readings, in a selected area of study chosen in consultation with the instructor. Credit will not be awarded for both 707 and 507.

755 Vocational Development and Adjustment. (3)A. Comprehensive coverage of the application of psychological principles to personnel selection, training, placement, and evaluation; motivation,

interaction, and morale; and effective human relations in business, industry, and community agencies. Credit will not be awarded for both 755 and 555.

816 Tests and Measurements. (3) I, II. Study of concepts, principles, and methods involved in the use of current tests and inventories. Emphasis on measurement theory underlying construction, use, and interpretation of data from standardized tests.

823 Educational Implications of Learning Theories. (3) A. Prerequisite: one course in psychology or instructor's approval. Examination of major theories of learning.

826 Individual Appraisal of Intelligence I. (3) I. Prerequisites: EDF 815, EPY 816, and 842. Consideration of the major theories of intelligence. Practicum training in the administration, scoring, and interpretation of selected tests of intelligence, particularly the Stanford-Binet Intelligence Scale.

827 Individual Appraisal of Intelligence II. (3) II. Prerequisite: EPY 826. Supervised practice in the administration, scoring and interpretation of the Wechsler Intelligence Scale for Children-Revised, Wechsler Adult Intelligence Scale, and the Wechsler Preschool and Primary Scale of Intelligence.

842 Statistical Methods I. (3) I, II. Introduction to the techniques appropriate for the treatment of educational and psychological data. Use and interpretation of descriptive statistical methods.

843 Statistical Methods II. (3) II. Prerequisite: instructor approval. Use and interpretation of multi-sample inferential statistics. Analysis of variance, co-variance, factorial designs, multiple regression, and non-parametric techniques.

852 Advanced Educational Psychology. (3) I. Prerequisite: instructor approval. Basic problems of biological and environmental factors are reviewed, and the principles of motivation and learning are emphasized.

854 Mental Health and Personal Adjustment. (3) II. Prerequisite: instructor approval. Study of the personal and social factors related to the development of individual mental health and mental illness.

856 Practicum in Psychometry. (3) A. Prerequisite: EPY 816, 842, 826, 827, and instructor approval. Advanced laboratory practice in giving tests and interpreting results. Attention given to intelligence tests, measurements of special aptitudes, inventories for self-appraisal, and measure of personality.

898 Project Development. (3) A. Prerequisites: admission to Ed.S. program and EDF 869 or equivalent. Study of research and investigation in the area of specialization. Examination of appropriate design models. Development of acceptable project proposal.

899 Specialist Project. (3) A. Prerequisites: EDF 895, EPY 842, and 898. Guided completion of a scholarly project appropriate to the student's field of specialization.

EPC — COUNSELING

713 Introduction to Counseling. (3) I, II. Sociological, psychological, philosophical and educational foundations of pupil personnel services; history and growth of the guidance movement; function, scope, and organization of guidance. Credit will not be awarded for both 713 and 513.

740 Counseling Theory and Practice. (3) I, II. Major theories of counseling. Attention is given to personality structure and individual behavior from which these are derived. Credit will not be awarded for both 740 and 540.

802 Counseling Psychology. (3) A. Examination of counseling methods and concept with emphasis on current systems of counseling.

807 Counseling: _____. (1-3)A. Prerequisite: advisor/departamental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

808 Administration of Pupil Personnel Services. (3) II. Prerequisite: instructor approval. Administrative problems relating to child accounting. Major areas emphasized will be attendance reports and records, school census, and social and economic factors influencing school attendance.

814 Organization and Administration of Guidance Services. (3) I. Prerequisite: EPC 713. Consideration of theory, organization, and personnel practices involved in organizing and administering guidance programs.

820 Group Processes. (3) I, II. Theory and experiences to develop skill in and understanding of group dynamics and effective group behavior.

822 Occupational and Educational Information. (3) I, II. Occupational information in educational and vocational planning; theories of vocational choice; sociology of occupations, and interpretation

and utilization of current data pertaining to career fields.

825 Elementary School Guidance. (3) A. Guidance practices for the elementary counselor, teacher, and other personnel, as derived from principles of child development.

830 Counseling Practicum in Secondary Schools. (3) A. Prerequisite: minimum of 20 hours, including EPC 713, 740, and instructor approval. Practicum student will be assigned under supervision to counseling experiences with secondary school students in a secondary school setting.

832 Counseling Practicum in Elementary Schools. (3) A. Prerequisite: minimum of 20 hours, including EPC 713, 740, and instructor approval. Practicum student will be assigned, under supervision, to counseling experiences with elementary school students in an elementary school setting.

834 Counseling Practicum in Higher Education. (3) II. Prerequisite: EPC 740, 844, and instructor approval. Practicum student will assist with testing programs, record keeping, and counseling college students; may also be assigned as resident counselor or as student activities counselor.

836 Counseling Practicum in Community Settings. (3) A. Prerequisite: EPC 740. Practicum student will be assigned, under supervision, to counseling experiences in an industry, public agency, social welfare center, or other institutional settings.

844 Student Personnel Services in Higher Education. (3) I. Study of student personnel services; emphasis upon relationship of these services to the total college program, research, and organization.

845 Internship in Student Personnel Services. (3) II. Prerequisite: EPC 844. Supervised experience for student personnel trainees. Opportunity provided to share responsibilities for all phases of student personnel services.

846 Techniques of Counseling. (3) I, II. Includes a consideration of different schools of thought in current counseling practice; how the counselor works; and effective procedures for counseling.

847 Advanced Counseling Practicum in Elementary Schools. (3) A. Prerequisite: EPC 832. Supervised practice in counseling with emphasis upon evaluation of counseling with elementary school students.

849 Advanced Counseling Practicum in Secondary Schools. (3) A. Prerequisite: EPC 830. Supervised practice in counseling with emphasis upon evaluation of counseling interviews with secondary school students.

851 Advanced Counseling Practicum in Higher Education. (3) A. Prerequisite: EPC 834. Supervised practice in counseling with emphasis upon evaluation of counseling with college students.

891 Issues and Trends in Counseling. (3) A. Critical examination of current issues and development trends in counseling research.

RHB — REHABILITATION COUNSELING

701 The Rehabilitation Counselor. (3) I. Prerequisites: RHB 300, and EPC 540. Refinement of counseling strategies and counseling skills and techniques. Emphasis on intake interview, medical, psychological and vocational evaluation process, and case planning. Examines the rehabilitation process from physical restoration to job placement. Credit will not be awarded for both 701 and 501.

703 Community Agencies and Services. (3) I. Examines services provided by various community agencies, referral to those agencies, and coordination of agency services. Examines the relationships among agencies, staffing patterns, populations served, funding resources, and gaps and overlaps in services. Credit will not be awarded for both 703 and 503.

710 Practicum in Rehabilitation Counseling. (3-12) II. Prerequisites: completion of all required rehabilitation courses or approval of instructor. Supervised learning experience in a rehabilitation setting or agency. Students utilize counseling strategies and other skills by working directly with clients. Credit will not be awarded for both 710 and 510.

807 Rehabilitation: _____. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

817 Evaluating the Handicapped Individual. (3) A. Prerequisite: EPY 816. A study of the devices and procedures used by rehabilitation professionals to assess the ability and potential of handicapped individuals.

DEPARTMENT OF

CURRICULUM AND INSTRUCTION

IMOGENE RAMSEY, Chair

The Department of Curriculum and Instruction is responsible for program advisement and development in elementary education, library science, and secondary and higher education. Programs of study may lead to the Master of Arts in Education degree, the Specialist in Education degree and/or Rank II and Rank I. The Elementary Education program has options in early childhood education, reading, gifted education, and endorsements for school media librarian. In cooperation with appropriate departments in the colleges of Applied Arts and Technology; Arts and Humanities; Business; Health, Physical Education, Recreation, and Athletics; Natural and Mathematical Sciences; and Social and Behavioral Sciences, the department offers the Master of Arts in Education degree, the Master of Music Education degree, and the Specialist in Education degree in physical education for secondary school teachers.

Special Program Requirements*

Elementary Education

MASTER OF ARTS IN EDUCATION
KELLY THOMPSON, Program Coordinator

This curriculum is designed to improve the professional competence and skills of teachers in elementary schools. Successful completion of the approved program qualifies the graduate for receipt of the Standard Elementary Teaching Certificate.

*Candidates must also meet the general requirements of the Graduate School.

Professional Education Core* 9 hours
Elementary Education Component 9 hours

One course from ELE 806, ELE 871, ELE 873, or an approved substitute is required. Additional electives are to be selected from departmental offerings with prior advisor approval.

Subject Matter or Approved Specialty 12 hours

Courses in specialty area or from other disciplines are selected cooperatively by the student and advisor.

Minimum Program Total 30 hours

ELEMENTARY EDUCATION WITH OPTION IN EARLY CHILDHOOD EDUCATION

This program satisfies requirements for the Standard Elementary Teaching Certificate and is designed to equip the student for certification and/or leadership in the area of early childhood education.

Plan A - For persons already certified for Kindergarten Teaching

Professional Education Core* 9 hours

Early Childhood Education Component 15 hours
ELE 820, 825, 830, 871, and EAD 808.

Electives 6 hours

Courses mutually selected by the student and advisor.

Minimum Program Total 30 hours

Education

Plan B - For persons not certified for Kindergarten Teaching

Professional Education Core* 9 hours

Early Childhood Education Component 25 hours

ELE 717, 719, 801, 820, 825, 830, 871, and EAD 808

Minimum Program Total 34 hours

ELEMENTARY EDUCATION WITH OPTION IN EDUCATION OF GIFTED AND TALENTED YOUTH

This program, which satisfies requirements for the Standard Elementary Teaching certificate, offers the student an opportunity to emphasize education for gifted and talented youth.

Professional Education Core* 9 hours

Elementary Education Component 9 hours

ELE 806, 871, or 873; ELE 856 and 858.

Subject Matter and Specialty 12 hours

ELE 855 and 857; additional courses selected with prior advisor approval.

Minimum Program Total 30 hours

ELEMENTARY EDUCATION WITH OPTION IN READING

This program meets guidelines for certification as Reading Specialist and for the Standard Elementary Certificate.

Professional Education Core* 9 hours

EDF 869 and ELE 810; EDF 815, EPY 816, or EPY 852.

Reading Component 12 hours

ELE 806, 871, or 873; 868, 876, and 877.

Subject Matter and/or Elementary Electives (Restricted)

..... 9 hours

Courses mutually selected by the student and advisor.

Minimum Program Total 30 hours

*Refer to the Special Program Requirements for the general M.A.Ed. degree in the College of Education Section of this Catalog.

Elementary Education SPECIALIST IN EDUCATION

The curriculum for the Specialist in Education degree in elementary education is designed to meet the needs of curriculum area specialists and regular classroom teachers who seek a high level of knowledge and competency. The degree program, which consists of a minimum of 30 hours beyond the master's degree, fulfills requirements for the Rank I Elementary Teaching Certificate.

Program Requirements:

Two years of successful experience in a school certified position prior to formal admission.

Successful completion of admissions procedures and general requirements as specified in the general description for Ed.S. degree programs.

Completion of Course Requirements:

Core Requirements 9 hours

EDF 895, ELE 898, and ELE 899.

One course from psychosocial aspects of education.

A minimum of 18 additional hours at graduate level, subject to student and committee approval.

Completion of the general requirements for the Specialist in Education degree as specified in the general description for Ed.S. degree programs.

RANK II CLASSIFICATION, THE FIFTH YEAR PROGRAM

General policies governing the fifth year program leading to Kentucky Rank II classification appear in the general section of the College of Education. General requirements for elementary teachers are outlined below.

For the candidate who meets all current degree requirements and wishes to transfer to a degree program, appropriate credits will be allowed toward degree requirements.

Curriculum for Fifth Year Rank II Program in Elementary Education

Professional Education Core	6 hours
Elementary Education	14 hours
Including one graduate level reading course selected from ELE 806, 871, or 873.	
Subject Matter Courses	12 hours
Courses as approved by the advisor	
Minimum Program Total.....	32 hours

RANK I CLASSIFICATION, THE SIXTH YEAR PROGRAM

General policies governing the sixth year program leading to Rank I classification appear in the general section of the College of Education.

Curriculum for Sixth Year Rank I Program in Elementary Education

Professional Education Electives	6 hours
Courses in Certified Teaching Field.....	15 hours
Electives	9 hours
Selected with prior approval of the advisor	
Minimum Program Total.....	30 hours

Course Descriptions

ELE — ELEMENTARY EDUCATION

707 Problems in Elementary Education. (1-3)A. Prerequisite: advisor/departmental chair approval. Independent work, special workshops, special topics, or seminar. Credit will not be awarded for both 707 and 507.

710 Art in the Elementary Curriculum. (3)A. Elements of the discipline, creativity, aesthetics, theory, philosophy, and instructional facilities will be explored. Individual explorations into research and media will be encouraged. Appropriate assignments beyond normal assignments will be expected of graduate students. Credit will not be awarded for both 710 and 510.

717 The Child in Early Education. (3) I, II. Focuses specifically on physical, social, psychological, and intellectual development of the child under six and the role of the teacher, parents, and care-givers in working with the developmental needs of young children. Credit will not be awarded for both 717 and 517.

719 Teaching in the Kindergarten. (3) I, II. Prerequisite: ELE 717 (except special education elementary education dual majors.) Focuses upon leaders and literature of kindergarten education including historical movements, organizations, curricula, equipment, and procedures used with normal, developmentally different, and multicultural children. Credit will not be awarded for both 719 and 519.

721 Practices and Problems in Early Childhood Education. (4)A. Prerequisite: ELE 717 and 719 (or 517 and 519.) Designed for experienced teachers. In-depth study and application of significant practices and problems in early childhood education. Credit will not be awarded for both 721 and 521.

722 Creative Experiences in Childhood Education. (3)A. Designed for prospective and in-service teachers with focus upon the nature of creativity, development of skills used in creative expressions, and activities which promote creativeness in children and teachers. Credit will not be awarded for both 722 and 522.

730 Multicultural Populations and School Curriculum. (3)A. Exploration of ethnic and family backgrounds, class structure, patterns of living, language characteristics, and teacher-pupil attitudes as they relate to the school experience. Credit will not be awarded for both 730 and 530.

731 Teaching the Rural Disadvantaged Child. (3)A. Characteristics of the rural disadvantaged. Techniques, materials, and organizational patterns designed to benefit the rural disadvantaged student. Credit will not be awarded for both 731 and 531.

741 Survey of Elementary Curriculum Programs. (3) I, II. For physical education, art, or music majors seeking 12th grade certification. Explores elementary curriculum, the role of special teachers, problems of individual learners, functions of the entire school-community. Not open to elementary education majors. Credit will not be awarded for both 741 and 541.

750 Reading and Language Arts in the Elementary School I. (3) I, II. Prerequisite: EDF 317. Theory, content, and practice of teaching reading and language arts in the elementary school. Credit will not be awarded for both 750 and 550.

751 Linguistics in Elementary School. (3)A. Prerequisites: ELE 550

(or 750) or 871 or 873. Investigation of elements in the science of linguistics and their application to communication skills of elementary children. Credit will not be awarded for both 751 and 551.

760 Reading and Language Arts in the Elementary School II. (3) I, II. Prerequisite: ELE 750. Theory, content, and practice of teaching reading and other language arts in the elementary school. Credit will not be awarded for both 760 and 560.

770 Identification and Correction of Developmental Reading Problems. (3)A. Procedure and materials appropriate for the identification and correction of moderate reading problems in the regular classroom. Credit will not be awarded for both 770 and 570.

796 Physical Education in Elementary Education. (3)A. Comprehensive review of techniques used in teaching physical education in the elementary grades. Emphasis placed on health evaluation, fitness testing, rhythmical activities, game activities, tumbling, and self-testing activities. Credit will not be awarded for both 796 and 596.

801 Practicum in Kindergarten Education. (4) I, II. Prerequisites: ELE 717, ELE 719 (or ELE 517, ELE 519). Observation and teaching under professional supervision.

802 Practicum in Elementary Education. (4)A. Supervised teaching experiences in elementary levels of education.

805 Survey of Reading-Language Arts Program for Administrators. (3)A. Prerequisite: master's degree in education. A survey of administrative principles and practices for reading and language arts programs. Skills, concepts, current knowledge, and inservice education strategies needed for effective program implementation will be included.

806 Reading Instruction in the Middle School. (3)A. Prerequisite: ELE 560 or ESE 574 (or ELE 760 or ESE 774) or comparable course. Intensive study of teaching materials and strategies appropriate for teaching reading in grades four through eight. Special emphasis on content areas.

807 Elementary Education: (1-3)A. Prerequisite: advisor/departmental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

810 Elementary School Curriculum. (3) I, II. Study in depth of principles, materials, and procedures in current curriculum development and revision in the elementary school.

811 Humanistic Teaching—Strategies and Behaviors. (3)A. Cross listed as ESE 811. Rationale for and practice with techniques for effective teaching using humanistic and behavioral approaches. Emphasis is placed upon meeting the individual professional needs of participants.

820 Theory and Philosophy in Early Childhood Education. (3) A. Survey of historical perspectives in early childhood education with concentration on assumptions and practices in various programs; includes current research concerning the developmentally different and multicultural child.

825 Cognitive Development of Young Children. (3)A. A study of theories and philosophies concerning the learning process in the development of young children. Exploration, development, and evaluation of appropriate assessment instruments as well as activities and materials which facilitate cognitive development.

830 Expressive Experiences in Early Childhood Education. (3)A. Examines theories and definitions of creativity; explores the methodology and materials appropriate to stimulate creative expressions in young children through the media of art, music, drama, literature, and movement.

831 Music in Early Childhood Education. (2-3)A. Study of preschool children, learning processes, structure of music, methods, and materials for developing musical skills. Open to music, preschool, and kindergarten teachers. Knowledge of music reading not required. Special requirements for 3 hours credit.

840 Career Education in Elementary Schools. (3)A. An exploration of the philosophy of career education and its implications and applications in elementary curriculum.

841 The Metric System for Elementary Education. (3)A. Content and strategies needed to teach the metric system in the elementary school. Emphasis placed upon the study of decimals, exponents, materials, and activities encountered in metric measurement.

842 Discipline and Classroom Management. (3)A. Knowledge and skills necessary for establishing and maintaining positive relationships in the classroom; disciplinary concerns of teachers. Theoretical and tested knowledge in personal behavior and communication skills systems is examined for practical and effective application.

843 Teaching Mathematics to Low Achievers. (3) A. An in-depth analysis of characteristics of low achievers, teaching resources, teaching strategies, and appropriate mathematics curriculum content.

855 Gifted and Talented Youth. (3) A. Cross listed as ESE 855. Survey of the unique characteristics of gifted and talented youth, methods of identification, and educational needs.

856 Curriculum in Gifted/Talented Education. (3)A. Cross listed as ESE 856. Current curriculum projects expressly designed for gifted and talented youth, major models for curriculum development, and teaching strategies employed in the projects will be studied.

857 Seminar: Gifted/Talented Education. (3)A. Cross listed as ESE 857. Students will examine and subsequently share through discussion significant readings and research related to Gifted and Talented Education. Research projects will be emphasized.

858 Practicum in Gifted/Talented Education. (3)A. Cross listed as ESE 858. Supervised teaching experience in elementary and secondary levels of education for the gifted and talented.

863 Social Science in Elementary Education. (3)A. Emphasis on social science disciplines in the elementary school programs. New developments in social studies curricula are explored.

864 Investigations in Language Arts. (1-3)A. Critical study of the investigative and theoretical literature dealing with the teaching of language arts (listening, spelling, handwriting, oral and written expressions) in the elementary school. Research in the teaching of reading is not included.

865 Investigations in Reading. (1-3) II. Prerequisite: instructor approval. Individual research and study of investigative and theoretical literature dealing with the teaching of reading in the elementary school.

866 Investigations in Elementary School Mathematics. (1-3)II. Critical study of investigative and theoretical literature dealing with teaching of mathematics in the elementary school.

867 Investigations in Elementary School Social Studies. (1-3) A. Prerequisite: instructor approval. Critical study of investigative and theoretical literature dealing with teaching social studies.

868 Techniques and Materials for Remedial Reading. (3) I, II. Prerequisite: ELE 871, 873, or ESE 774. Methods, materials, and techniques appropriate to the correction of reading difficulties.

870 Trends in Elementary Science Education. (3) I, II. Exploration of modern trends, practices, and foundation programs drawn from appropriate disciplines which relate to elementary and junior high science teaching.

871 Readiness and Primary Reading Programs. (3)A. Intensive study of methods and materials appropriate for developing reading readiness and for guiding reading instruction in grades K-3. Emphasis upon the newer approaches and latest research.

872 Mathematics in Elementary Education. (3) I, II. Exploration of trends, concepts, and issues involved in modern elementary mathematics programs. Research findings are examined and multisensory materials presented.

873 Developmental Reading in the Elementary School. (3) I, II. Advanced study of methods, materials, and organizational procedures appropriate for teaching developmental reading in the elementary school.

874 Language Arts in the Elementary School. (3) A. Examination of current trends and curriculum problems related to teaching of language arts in the elementary school. Major emphasis on listening, oral and written expression, spelling, and handwriting.

875 Diagnosis of Reading Problems. (3)A. Prerequisite: ELE 871, 873, or ESE 774. Theory and implementation of diagnostic procedures for the appraisal of reading problems. Emphasis on assessing quantity and quality of reading disabilities.

876 Investigations in Elementary School Science. (1-3)A. Prerequisite: instructor approval. Individual research and study of investigative and theoretical literature dealing with the teaching of science in the elementary school.

877 Practicum in Remedial Reading. (3)A. Prerequisite: ELE 868 and ELE 875. Supervised experiences in diagnosis and correction of reading problems.

878 Practicum in Elementary Mathematics Education. (3)A. Prerequisite: ELE 872. Practicum experiences in diagnosing children's problems in elementary school mathematics; observation and limited teaching to correct identified problems.

880 Organization and Supervision of Student Teaching. (3) I. CL: EHE 880. Prerequisite: teaching experience. For school and college personnel concerned with improving student teaching experiences.

891 Issues and Trends in Elementary Education. (3) A. Prerequisite: instructor approval. Opportunities provided for participation in exploration and analysis of critical issues relating to elementary education.

895 Advanced Diagnosis and Remediation of Reading Problems. (3) A. Prerequisites: ELE 868, 875, 877, or equivalent. Content and experience to extend and relate knowledge and skills in diagnosis and remediation of reading problems.

897 Independent Study. (1-3) I, II. Primarily for advanced graduate students who desire to investigate special problems relating to elementary education.

898 Project Development. (3) A. Prerequisites: admission to Ed.S. Program and EDF 869 or equivalent. Study of research and investigation in the area of specialization. Examination of appropriate design models. Development of acceptable project proposal.

899 Specialist Project. (3) A. Prerequisites: EDF 895 and ELE 898. Guided completion of a scholarly project appropriate to the student's field of specialization.

Library Science

MASTER OF ARTS IN EDUCATION

JUANITA PHILLIPS, Program Coordinator

Students desiring certification as a school media librarian must complete the following program:

Prerequisites

Provisional Elementary or Secondary Teaching Certification and LIB 301.

Professional Education Core* 9 hours

Library Science Core..... 12-24 hours

Electives 0-9 hours

Minimum Program Total..... 30 hours

Elementary Certification: LIB 700 and 701; 702 or 805; 721, 731, 763, 769, and 801. Additional courses required for twelve grade certification: LIB 805, or 702; 711, and ESE 863.

Secondary certification: LIB 700, 701, 702, 721, 731, 763, 769, 801, and ESE 774. Additional courses required for twelve grade certification: LIB 711, 805, ELE 741, and ELE 873.

*Refer to the Special Program Requirements for the general M.A.Ed. degree in the introductory College of Education section of this Catalog.

CERTIFICATIONS AVAILABLE

Rank II Certification, the Fifth Year Nondegree Program

Provisional Elementary Certification or Provisional Secondary Certification is required for admission to this program. Students enrolled in the program may receive either 12 grade school media librarian certification or may complete endorsement certification. The minimum program total is 32 hours.

Rank I Certification, the Sixth Year Nondegree Program

Individuals may earn Rank I certification and school media librarian certification concurrently by completing requirements for 12 grade certification or endorsement certification for school media librarianship. The minimum program total is 30 hours in addition to the Rank II certification requirements. Library Science endorsement programs are available without the completion of the M.A.Ed., the Rank II, or the Rank I programs.

Course Descriptions

LIB — LIBRARY SCIENCE

700 Organization and Administration of the School Media Center. (3) A. Prerequisite: admission to the teacher education program. Philosophy, objectives, and administration of the media center in the elementary and secondary schools. Credit will not be awarded for both 700 and 500.

701 Literature and Related Materials for Adolescents. (3) A. For teachers and media librarians planning to work with adolescents. Emphasis on media to supplement the school curriculum and to encourage recreational reading for ages 11-14. Book selection, reading interests, needs of adolescents, various types of materials for use by and with adolescents are stressed. Credit will not be awarded for both 701 and 501.

702 Literature and Related Materials for Young Adults. (3) A. For teachers and school media librarians planning to work with young adults. Emphasis is placed on media to supplement school curriculum and encourage recreational reading for ages 14 and up. Stresses reading interests, levels, and needs for young adults, including types of materials suitable for more mature students and problems of selection. Credit will not be awarded for both 702 and 502.

711 Non-Book Instructional Materials. (3) A. Selection, organization, and utilization of non-book instructional materials in school and media centers. Credit will not be awarded for both 711 and 511.

721 Reference. (3) A. Provides information for satisfactory use of library resources. Stresses essential reference work including dictionaries, encyclopedias, atlases, yearbooks, periodical indexes, and the more important subject and trade bibliographies. Credit will not be awarded for both 721 and 521.

731 Classification and Cataloging. (3) A. Fundamental principles and methods of classification and cataloging of books and related materials. Attention is centered on the classification and cataloging of books for school media centers. Credit will not be awarded for both 731 and 531.

763 Preparation of Instructional Media. (3) I, II. Selection and preparation of free and inexpensive materials, displays, graphics, models, bulletin-board utilization, mounting and preserving of materials. Credit will not be awarded for both 763 and 563.

769 Instructional Media. (3) I, II. Philosophy and techniques of the effective utilization of instructional media. Emphasis is on slides, tape and disc recordings, films, filmstrips, transparencies, and the operation of equipment for presenting such media. Credit will not be awarded for both 769 and 569.

801 School Library Practicum. (3) A. Practicum for graduate students offering practical experience in many phases of school library service. Circulation routines, reference materials, cataloging of new books and materials, reading guidance, story telling, and the organization of unit materials are stressed.

805 Advanced Children's Literature. (3) A. Prerequisite: LIB 301 or comparable course. Characteristics of good reading for children; types and evaluation of literature; use of materials for curricular and leisure needs; correlation of book and non-book materials. For librarians and teachers.

807 Library Science. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

Secondary and Higher Education

TOM McHONE, Program Coordinator
Special Program Requirements*

Secondary Education

MASTER OF ARTS IN EDUCATION

This curriculum is designed to help students achieve goals and develop competencies in professional education, academic areas and interpersonal relationships. Successful completion of the approved program qualifies the graduate for the Standard Secondary Teaching Certificate.

Professional Education Core9 hours**

Academic Specialization minimum 12 hours

These courses must be selected from the student's area(s) of specialization in approved teaching fields.

Electives9 hours

Elective courses are intended to strengthen the preparation of the teacher. Selection should be based on the needs of the individual.

Minimum Program Total..... 30 hours

The Master of Arts in Education-Secondary Education is offered with the following academic specialization options: agriculture, allied health sciences, art, biology, business education, chemistry, earth science, English, French, general science, geography, gifted and talented education, history, home economics, industrial arts education, mathematics, music, physical education, physics, political science, psychology, reading, school health, sociology, and Spanish.

*Candidates must also meet the general requirements of the Graduate School. (See the General Academic Information section of this Catalog.)

**Refer to the Special Program Requirements for the general M.A.Ed. degree in the introductory College of Education section of this Catalog.

OPTION IN GIFTED AND TALENTED EDUCATION

This option for the M.A.Ed. degree program satisfies the requirements for the Standard Secondary Teaching Certificate and allows the student to explore and develop educational programs for gifted and talented youth.

Professional Education Core*9 hours

Academic Specialization 12 hours

Must include ESE 856

Gifted Education.....9 hours

ESE 855, 857, and 858

Minimum Program Total..... 30 hours

*Refer to the Special Program Requirements for the general M.A.Ed. degree in the introductory College of Education section of this Catalog.

Music Education

MASTER OF MUSIC EDUCATION

Admission —Applicants for admission to the program must hold a valid teaching certificate and must hold the degree of Bachelor of Music, Bachelor of Music Education, Bachelor of Science in Music Education, or an equivalent degree from an accredited institution. Admission is based on evidence that the applicant will be able to pursue creditably a program of graduate study in music education.

Undergraduate records should reflect an overall grade-point average of 2.75, and the undergraduate programs must show adequate preparation in the major fields and related fields, corresponding to the distribution of courses and credits usually found in departments certified by the National Association of Schools of Music.

Candidacy —Students must achieve satisfactory scores on the Graduate Record Examination and complete the Advanced Test in music. Refer to the General Academic Information section of this Catalog for complete degree completion requirements.

Program components:

Music Education Core

Required: ESE 878, and 879.....6 hours

ELE 831, ESE 758, 874, 875, 876, 880, 881, 882, 884,

MUS 770, 786, 789, or 883..... 4-6 hours

Research and Thesis (with option of Recital) MUS 898;

MUS 899 or 897.....5 hours

Professional Education.....6 hours

Music Courses

Music Theory: MUS 884 or 887.....3 hours

Music Literature: MUS 755 or 756.....3 hours

Additional courses selected by student and advisor from offerings in the Music Department and the College of Education to fit the professional needs of the student.* 3-5 hours
Minimum Program Total..... 32 hours

*Five hours of education and 4 hours of music education will qualify the student for the Standard Teaching Certificate.

Thesis - Recital Option - Each candidate must submit a thesis or present a graduate level recital.

Thesis - Candidates selecting this option must submit a thesis which demonstrates an appropriate level of research and writing in the field of music education. Candidates may choose to (1) conduct experimental, descriptive, historical, philosophical, or analytical research; (2) investigate a problem in music education in the schools; (3) write an original project such as a book for children and young people, a methods book, or some other creative endeavor; (4) complete a bibliographical project; or (5) complete an extensive curriculum project of school use.

Comprehensive Examinations - The program will be culminated by a written or oral comprehensive examination testing the candidate's general knowledge of music and education. In addition, those students electing to write a thesis will stand a final oral defense of thesis.

Physical Education

SPECIALIST IN EDUCATION

The Specialist in Education degree requires a minimum of 30 graduate hours. Students holding an undergraduate degree with a major or minor in physical education and a master's in physical education may enter the program.

Professional Education Core 9 hours
 EDF 895, ESE 898, and ESE 899

Physical Education Core..... 12 hours
 To be selected from the following: PHE 820, 821, 822, 830, 849, 852, 891, or 895.

Electives 9 hours
 To be selected from 800-level physical education courses in consultation with advisor.

Minimum Program Total..... 30 hours

NOTE: In the Master's and Ed.S. combined, the student must have completed all the courses listed in the physical education core or their equivalents.

Course Descriptions

ESE — SECONDARY EDUCATION

700 The School Health Program. (3) A. Organizational patterns necessary for an efficient, well coordinated health program. Interrelated roles of health services, health instruction, and healthful school living. Attention given to the role of the school health coordinator. Credit will not be awarded for both 700 and 500.

707 Problems in Secondary Education. (1-3) A. Prerequisite: advisor /departmental chair approval. Independent work, special workshops, special topic, or seminar. Credit will not be awarded for both 707 and 507.

763 Occupational Program in Home Economics. (3) A. Prerequisite: instructor approval. Development of occupational programs in vocational home economics, including philosophy, curriculum, space and equipment needs, teaching methods and materials, program evaluation, and federal-state funding. Credit will not be awarded for both 763 and 563.

764 History and Philosophy of Industrial Education. (3) A. History of industrial education from its early beginnings to the present; the contributions of leaders; movements in the development of industrial and vocational education; modern concepts of industrial education. Credit will not be awarded for both 764 and 564.

765 Workshop in Home Economics Education. (1-3) A. Prerequisite: instructor approval. Concentrated work on a current aspect in vocational home economics. May be retaken for a maximum of 6 hours. Credit will not be awarded for both 765 and 565.

766 Special Problems in Home Economics Education. (1-3) I, II. A. Prerequisite: instructor approval. The student chooses a problem and works under the supervision of the instructor. May be retaken for a maximum of 6 hours. Credit will not be awarded for both 766 and 566.

774 Teaching Reading in the Secondary School. (3) A. Includes emphasis on developmental and content area reading, reading skills. Appraisal of reading abilities, appropriate materials, evaluation, and organization of secondary reading programs. Credit will not be awarded for both 774 and 574.

778 Music in Special Education. (3) A. Prerequisite for non-music majors: MUS 360 and ELE 362 or instructor approval. Music in education of the handicapped and the gifted. Exploration and development of special teaching techniques and resources. Credit will not be awarded for both 778 and 578.

804 Tests and Measurement in Business Education. (3) A. Formerly ESE 570. Basic qualities of good tests, effective use of test results, construction, analysis, and revision of tests in business education.

806 Current Principles, Trends, and Issues in Business Education. (3) A. A study of principles in business education, contemporary issues, and recent and emerging trends reflected in research and other literature.

807 Secondary Education: (1-3) A. Prerequisite: advisor/departmental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

810 Improvement of Instruction in Shorthand and Transcription. (3) A. Emphasis on selected principles of learning; techniques for teaching; and research findings on shorthand, transcription, and office practice.

811 Humanistic Teaching-Strategies and Behaviors. (3) I, II. Cross listed as ELE 611. Rationale for and practice with techniques for effective teaching using humanistic and behavioral approaches. Emphasis on meeting the individual professional needs of participants.

812 Curriculum Theory and Development. (3) II. Critical study of issues and problems in curriculum development, the rationale underlying major positions of these issues, implications for work at various levels of the educational program, and principles and techniques of curriculum change.

820 Improvement of Instruction in Typewriting. (3) A. Selected principles of psychology of skill development; improvement of methods and procedures of teaching; testing and evaluation; concepts and implications of word processing; and review of selected research and literature.

835 Improvement of Instruction in Accounting and Basic Business. (3) A. Formerly ESE 630 and ESE 640. Improvement of methods and procedures for teaching accounting, data processing, basic business courses; study of selected learning principles, current trends, relevant research and literature; exploration of testing and evaluation.

841 Methods and Materials for Science Education. (3) A. Provides opportunity for teachers of science at the secondary level to work with new curriculum materials, to practice teaching strategies consistent with the materials, and to engage in individualized projects related to the professional role.

842 Administration and Supervision in Business Education. (2) I. Formerly BED 650. Problems in budgeting, layout, equipment, curriculum planning, and supervision in business education.

843 Trends and Materials in the Teaching of English. (3) A. Survey of philosophies, objectives, materials, media, methods, and curriculum development related to teaching literature, oral and written language, and composition.

849 Trends and Materials in Social Studies. (3) A. Designed to broaden the horizons of secondary social studies teachers. Attention focused on new curriculum materials, simulation videotaped microteaching. Participants will be actively involved, and consultants will assist in areas of particular interest.

850 Trends and Materials in the Teaching of Mathematics. (3) A. Examination of curricular trends, modern programs, appropriate strategies, and innovative materials in secondary mathematics.

855 Gifted and Talented Youth. (3) A. Cross listed as ELE 655. Survey of the unique characteristics of gifted and talented youth, methods of identification, and educational needs.

856 Curriculum in Gifted/Talented Education. (3) A. Cross listed as ELE 856. Current curriculum projects expressly designed for gifted and talented youth; major models for curriculum development; and teaching strategies employed in the projects.

857 Seminar: Gifted/Talented Education. (3) A. Cross listed as ELE 857. Significant readings and research related to gifted and talented education. Research projects emphasized.

858 Practicum in Gifted/Talented Education. (3) A. Cross listed as ELE 858. Supervised teaching experience in elementary and secondary levels of education for the gifted and talented.

860 Curriculum Development in Home Economics. (3) A. Prerequisite: instructor approval. Educational trends and their implications for home economics in the secondary school; principles of curriculum construction as applied to junior and senior high school home economics.

861 Supervision of Home Economics. (3) A. Principles and techniques of effective supervision of home economics at different educational levels, with emphasis on supervision of student teaching.

862 Philosophy of Home Economics Education. (3) A. Major ideas, trends, and past developments in home economics education and their influence and implications in the future directions of the field.

863 Secondary School Curriculum. (3) II. Aims of the public secondary schools; plans for evaluating curriculum procedures; qualities of good teaching; procedures of evaluating and improving classroom teaching; methods of making the school a more effective agency.

865 Seminar in Home Economics Education. (1-3) A. Current topics and research relevant to home economics. May be retaken for a maximum of 6 hours.

866 Curriculum Design in Physical Education. (3) I. An examination of the various considerations basic to the design of physical education programs. A curriculum project is required.

867 Evaluation in Home Economics Education. (3) A. Theories and techniques of evaluation; construction and interpretation of devices used to measure progress and attainment in home economics.

868 Research in Home Economics Education. (1-6) A. Independent research. May be retaken for a total of 6 hours.

871 Special Problems in Industrial Arts Education. (1-6) A. Problems of particular value to the teacher in the field, both of a practical and of a research nature, will be pursued by the student and developed through conferences and activities directed by the staff.

872 Curriculum Practices and Trends in Industrial Education. (3) I. Current concepts and trends in industrial education; principles underlying curriculum construction and development; long range planning for improvement of program.

873 Seminar in Industrial Arts Education. (3) A. Current problems and issues in industrial education with emphasis on their historical, social, philosophical, and psychological dimensions. Study of recent research related to industrial education and its implications for the field.

874 Supervision & Administration in Music Education. (3) A. Functions, techniques, and problems of supervision and administration in music education; development of effective programs in city and county school systems; inservice education and workshop techniques; professional and community relationships.

875 Current Trends in Secondary Music. (2) A. Overview of music curriculum in the junior and senior high school; relationship of general and specialized aspects of music in secondary schools; characteristics of adolescents and their implications for musical growth.

876 Current Trends in Elementary Music. (2) A. Current thought and practices in elementary music; knowledge of learners and learning processes, structure of music, methods of developing skills. Non-music majors must have equivalent of MUS 360 and instructor approval.

877 Practicum in Remedial Reading. (3) A. Supervised experiences for secondary reading teachers in diagnosis and correction of reading problems.

878 Principles of Music Education. (3) I. Basic educational principles and their implications for music education with reference to all types of school situations.

879 Foundations of Music Education. (3) II. Historical, philosophical, and psychological foundations of music education and their relationship to curriculum development.

880 Problems in Music Education. (1-3) I, II. Problems in the various areas of music education. Emphasis on curriculum improvement through exposure to current research and literature in the field. May be retaken for a maximum of 3 hours.

881 Workshop in Music Education. (1-4). Summer only. Philosophy, objectives, literature, materials, and techniques pertinent to a

particular area of music instruction. Topics to be announced. May be retaken for a maximum of 4 hours credit.

882 Curriculum Development in Music Education. (3) A. The theory and process of curriculum development in music education; consideration of the instructional process; the importance of sequence, continuity, and articulation; strategies for change.

884 Organization & Administration of Instrumental Music. (2) A. History and roles of instrumental music; methods of program initiation, student recruitment and testing, organization and administrative aspects of various instrumental groups; administrative procedures for property and library materials.

887 Curriculum Improvement in School Health Education. (3) A. Current practices in elementary and secondary school health programs, evaluation of courses of study and textbooks, study of student health interests and needs, determination of health instruction scope at various grade levels.

890 Field Experience in Secondary Education. (1-3) A. Field experiences in areas of specific interest to the secondary teacher. Students supervised by College of Education staff in actual school setting.

898 Project Development. (3) Prerequisite: admission to Ed.S. program and EDF 869 or equivalent. Study of research and investigation in the area of specialization. Examination of appropriate design models. Development of acceptable project proposal.

899 Specialist Project. (3) A. Prerequisite: EDF 895 and ESE 898. Guided completion of a scholarly project appropriate to the student's field of specialization.

EHE — HIGHER EDUCATION

807 Problems in Higher Education. (1-3) A. May be retaken under different subtitles for a maximum of 6 hours. Prerequisite: advisor/departamental chair approval. Independent work, special workshops, selected topics, or seminar.

880 Organization and Supervision of Student Teaching. (3) I. Prerequisite: teaching experience. For school and college personnel concerned with improving student teaching experiences.

890 College Teaching. (3) II. For students who are teachers or prospective teachers in college. Knowing students as individuals and class groups, planning courses, selecting and guiding learning experiences, using varied instructional media, evaluating student progress.

891 The Community Junior College. (3) A. For prospective or inservice junior college teachers or administrators. Philosophy, objectives, organizations, and operation of community junior colleges; stress on the unique role of the junior colleges.

895 Perspectives in Higher Education. (3) I. Origins, evolution, and trends in post-secondary education; the technical school, the junior college movement; the role of public and private colleges and universities in American education; stress on the sociology of higher education.

897 Curriculum in Higher Education. (3) A. Issues, trends, and principles in curriculum development in higher education; nature, place, and interrelationship of general education and work in fields of specialization. Opportunity to observe and appraise innovative practices and to project programs.

898 Seminar in College Teaching. (1) I, II. Topics in higher education. A research paper is required one semester. May be taken concurrently with EHE 899.

899 Practicum in Higher Education. (3) I, II. Supervised teaching in an acceptable post-secondary school or college.

EAE — ADULT EDUCATION

716 Community Education. (3) A. Introductory course designed to provide the student with an overview of the concept, purpose, and process of community education. Credit will not be awarded for both 716 and 516.

DEPARTMENT OF

SPECIAL EDUCATION

QAISAR SULTANA, Chair

The Department of Special Education offers graduate pro-

Eastern Kentucky University

grams leading to the Master of Arts in Education and the Specialist in Education degree in special education. Curricula including certification are offered with options in learning and behavior disorders, trainable mentally handicapped, hearing impaired, and communication disorders. The Department offers programs for Fifth Year and Sixth Year certification, as well as Teacher Consultant and Director of Special Education.

All graduate programs require undergraduate degrees or Rank III equivalency certification in special education. Students who do not hold undergraduate certification in the area of exceptionality desired for the master's degree should consult with their graduate advisor regarding conversion procedures and programs. ROY MECKLER, Program Coordinator for L&BD and TMH programs; MARGO WILSON, Program Coordinator for Communication Disorders and Hearing Impaired programs.

Special Education

MASTER OF ARTS IN EDUCATION

Options in Learning and Behavior Disorders, Trainable Mentally Handicapped, and Hearing Impaired

1. Candidates with provisional certification in L&BD, TMH, and HI.

Professional Core* 9 hours
EPY 816, EDF 869, and 3 hours from either the area of historical and philosophical foundations of education or the area of curriculum and instructional methods.

Special Education Requirements in one of the following options 12 hours

Learning and Behavior Disorders (L&BD)
Prerequisite (L&BD provisional certification)
SED 886, 803, 804, and 805 12 hours

Trainable Mentally Handicapped (TMH)
Prerequisite (TMH provisional certification)
SED 886, 803, 805, and 806 12 hours

Hearing Impaired (HI)
Prerequisite (HI provisional certification)
SED 886, 803, 809, and 832 12 hours

Electives 9 hours

Minimum Program Total 30 hours

*Refer to the Special Program Requirements for the General M.A.Ed. degree in the introductory College of Education section of this catalog.

2. Candidates seeking initial certification in L&BD, TMH, and HI.

These three certification options are designed for candidates seeking certification in learning and behavior disorders, trainable mentally handicapped, and hearing impaired. A prerequisite for entering the programs includes elementary certification or secondary certification. Candidates with old categorical endorsements in special education may also pursue these options if the objective is to obtain a new certification. The options range from 40 to 49 semester hours. However, many programs can be shortened by using appropriate substitutions. Rank II is earned at 32 hours while the certification is awarded at the completion of the entire program. Additional hours may be applied toward a sixth year program (Rank I). It is very important that candidates seek early advisement from the department. For detailed information, contact the Department of Special Education. Program outlines are available.

Communication Disorders

MASTER OF ARTS IN EDUCATION

Professional Core* 9 hours
EPY 816 and EDF 869 required.

Required courses in Communication Disorders 15 hours
SED 873, 875, 876, 877, and 874

Electives in Communication Disorders 9 hours

Minimum Program Total 33 hours

*Refer to the Special Program Requirements for the General M.A.Ed. degree in the introductory College of Education section of this Catalog.

CERTIFICATION PROGRAMS

FIFTH YEAR PROGRAMS

Unless otherwise indicated as requirements of specialization programs, Rank II programs will follow the guidelines approved for the College of Education in compliance with state guidelines for Rank II. However, EPY 616 will be required in all fifth year programs. These programs are to be planned in advance with an assigned advisor in special education. Essentially, the fifth year program (Rank II) is intended to be flexible so that individual student objectives can be met. Candidates pursuing this program must hold provisional certification in some area of special education since the program does not lead to an additional certification. These candidates should follow Plan A. Should candidates holding elementary certification with or without old categorical special education endorsements wish to pursue a new special education certification, they must follow Plan B.

Plan A —Candidates renewing provisional certification

Professional Core 6 hours
Professional Education 6 hours
Planned electives in academic area or areas 12 hours
Planned electives within or outside the department 8 hours
Minimum Total Program 32 hours

Plan B —Candidates seeking certification in L&BD, TMH, or HI. (Contact the department for detailed information.)

The certification options range from 43 to 52 semester hours. Plan B Rank II is earned at 32 hours while the certification is awarded at the completion of the entire program. Additional hours that are earned in the program may be applied toward a sixth year program (Rank I). It is very important that candidates seek early advisement from the department. The three certification options are explained in the special program outline. Interested candidates should contact the department to obtain this information.

SIXTH YEAR PROGRAM

Rank I — Minimum of 60 hours if a master's program is included: minimum of 30 additional hours after completion of a planned Rank II fifth year program.

Special Education courses approved by advisor ... 15 hours
Electives 9 hours
Professional Education 6 hours
Minimum Program Total 30 hours
Completion of 6 hours of professional core is a prerequisite.

TEACHER CONSULTANT AND DIRECTOR OF SPECIAL EDUCATION

The following prerequisites are required for admission to the Teacher Consultant and Director of Special Education

programs: Provisional certification in an area of special education. Three years of experience as a special education teacher or as a school speech pathologist. Completion of a 3 hour course in speech and communication disorders at the graduate or undergraduate level. Completion of M.A.Ed. in special education, or of a planned fifth year program in special education. Completion of a minimum of 30 hours credit in approved special education coursework in the combined undergraduate and M.A.Ed. or fifth year programs, excluding student teaching and/or practicum experiences.

Teacher Consultant of Special Education

Required coursework: SED 811, 812, and 8139 hours

Director of Special Education

Required coursework: SED 811, 812, 817, 815, EAD 800, and 811 18 hours

Special Education

SPECIALIST IN EDUCATION

The Ed.S. program was developed in order to provide in-depth preparation for leadership roles in the rapidly developing field of special education.

The minimum number of hours to be completed beyond the M.A.Ed. is 30 hours including:

Ed.S. Core.....	9 hours
EDF 895, SED 898 and 899	
Electives outside the department	6-9 hours
Specialization within the department.....	12-15 hours
Minimum Program Total.....	30 hours

Course Descriptions

SED — SPECIAL EDUCATION

707 Problems in Special Education: (1-3) A. Prerequisite: advisor/ departmental chair approval. School-related work, special workshops, special seminars. May be retaken with different descriptions. Credit will not be awarded for both 707 and 507.

718 Special Education Early Childhood Programs. (3) A. Prerequisites: SED 104 or SED 775, SED 260, or instructor approval. Curriculum development for preschool exceptional children; methods and materials for preschool education of exceptional children; concept and social development of preschool exceptional children. Credit will not be awarded for both 718 and 518.

750 Advanced Applied Phonetics. (3) A. Advanced study of the articulatory production of sounds of American English and its dialects. Concentrated practice in use of phonetic transcription. Credit will not be awarded for both 750 and 550.

765 Seminar: Language Disorders. (3) II. Prerequisites: SED 360, 365. Study of language impairment and principles of remediation. Credit will not be awarded for both 565 and 765.

770 Directed Study in Speech Pathology. (1-3) A. Prerequisite: departmental approval. Directed projects in speech pathology. Proposal for the project must be submitted one semester in advance. Credit will not be awarded for both 570 and 770.

774 Field Experiences with Exceptional Children. (3) A. Prerequisite: departmental chair approval. A practical experience with exceptional children. Emphasis is directed at behavior management, educational assessment, and individual educational planning (IEP). Credit will not be awarded for both 774 and 574.

775 Nature and Needs of Exceptional Students. (3) A. Overview of special education including characteristics, definitions, programming, and supporting research. Open to non-majors. Credit will not be awarded for both 775 and 575.

776 Introduction to Special Education Assessment. (3) A. Prerequisite: SED 775 or instructor approval. Principles of tests and measurements. Application to exceptional students. Test administration, scoring, and interpretation applied to L&BD, HI, and TMH. Application of assessment data to interdisciplinary teams. Credit will not be awarded for both 776 and 576.

777 Mental Retardation. (3) A. Prerequisite: SED 775 or instructor

approval. Mental retardation as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches. Credit will not be awarded for both 777 and 577.

778 Behavior Disorders. (3) A. Prerequisite: SED 775 or instructor approval. Behavior disorders and/or emotional disturbances as an educational, psychological, and sociological phenomenon. Definitions, characteristics, theoretical foundations, and programmatic approaches. Credit will not be awarded for both 778 and 578.

779 Learning Disabilities. (3) A. Prerequisite: SED 775 or instructor approval. Definition, description, and assessment of learning disabilities. Emphasis on theories related to specific teaching methodologies. Behavioral, perceptual, conceptual, sensory, motor and language correlates of learning disabilities. Credit will not be awarded for both 779 and 579.

780 Directed Study in Audiology. (1-3) A. Prerequisite: departmental approval. Directed projects in audiology. Proposal for the project must be submitted one semester in advance. Credit will not be awarded for both 580 and 780.

781 Speech for the Hearing Impaired. (3) A. Prerequisite: SED 260 or instructor approval. Phonological development, acoustic aspects, anatomy of speech mechanisms, phonetic transcription, developing speech readiness, voice quality, articulation, rhythm, phrasing, accent, fluency, effects of impairment on speech, speech reading, auditory training. Credit will not be awarded for both 581 and 781.

782 Reading, Curriculum, and Academic Subjects for the Hearing Impaired. (3) A. Prerequisite: ELE 550, SED 581, or instructor approval. Design, implementation and evaluation of HI-IEPs including reading, mathematics, science, social studies, physical education, music, speech, language, aural rehabilitation, early childhood, career education, and educational media. Credit will not be awarded for both 582 and 782.

783 The Teacher of the Hearing Impaired. (3) A. Prerequisite: Instructor approval. Taken the semester prior to SED 499 or SED 697. Functional approaches to responsible teaching in hearing impaired classrooms through study, discussion, directed observation, tutoring, teacher aiding, materials preparation, and laboratory experiences. Credit will not be awarded for both 583 and 783.

787 Aural Rehabilitation. (3) II. Prerequisite: SED 485. Hearing aid evaluation, dispensing, and orientation; audiology in private practice; importance of auditory, visual, tactile-kinesthetic perception; management and improvement of speech production; educational audiology; speechreading and auditory training; importance of parental participation. Credit will not be awarded for both 587 and 787.

790 Behavior Modification in School Settings. (3) A. Prerequisite: SED 775 or instructor approval. Behavior analysis applied to classroom and instructional management. Development of skills in data collection, intervention procedures, and evaluation of behavior change. Credit will not be awarded for both 790 and 590.

791 Instruction of Secondary Learning and Behavior Disordered Students. (3) A. Prerequisite: SED 775 or instructor approval. Methods and materials to instruct adolescents and young adults with mild mental retardation, learning disabilities, behavior disorders, or mild orthopedic handicaps. Credit will not be awarded for both 791 and 591.

793 Teaching Students with Behavior and Learning Disorders. (3) A. Prerequisite: SED 775, 776, 778, or 779 or instructor approval. Diagnostic-prescriptive methods and materials used with L&BD students. Material and program evaluation techniques. Adaptation of career education and physical education included. Methods for teaching reading, writing, arithmetic, science, and social studies are covered. Credit will not be awarded for both 793 and 593.

800 Exceptional Learners in the Regular Classroom. (3) A. (Open only to non LBD, TMH & HI majors.) Characteristics of mainstreamed students, identification procedures, and instructional strategies. Salient features of PL94-142. IEP, roles and responsibilities of regular educators.

802 Psychology of Exceptionality. (3) A. Aspects of social and psychological adjustment in exceptional persons from the individual and ecological perspective.

803 Advanced Special Education Assessment. (3) A. Prerequisite: Provisional certification in special education or departmental permission. Evaluation of educational, perceptual, conceptual, social, and psychological characteristics of exceptional individuals. Interpretation for educational and community interventions for LBD, TMH, and HI populations. Appropriate practica experiences provided.

804 Educational Management of Learning and Behavior Disordered Students. (3) A. Prerequisite: SED 802, 803, or departmental permission. Analysis of student performance, academic and behavioral programming, precision teaching, diagnostic teaching, and selection of appropriate curricular materials. Adaptations for the physically handicapped in the schools. Appropriate practica experiences provided.

805 Roles of Special Education Teachers. (3) A. Focuses on roles of special education teachers in alternative settings, utilizing related services, and working with parents. Emphasis on interpersonal relationships and professional development. Appropriate practica experiences provided.

806 Educational Management for the Trainable Mentally Handicapped. (3) A. Prerequisite: SED 777 or instructor approval. Instructional methods and materials, including adaptive equipment, for trainable and severely mentally handicapped learners. Curricular development and educational programming.

807 Special Education: _____. (1-3) A. Prerequisite: advisor/departamental chair approval. Independent work, workshops, special topics, or seminars. May be retaken under different subtitles.

808 Multihandicapped Hearing Impaired Children. (3) A. Prerequisite: SED 802 or instructor approval. Emotional, perceptual, physical, and intellectual problems in hearing impaired children.

809 Diagnostic/Prescriptive Teaching of the Hearing Impaired. (3) A. Prerequisite: SED 354, SED 804, or instructor approval. Differential diagnosis and educational programming in academic, sociological, and vocational areas with emphasis on case presentation and individual education plans.

811 Special Education Curriculum Development. (3) A. Prerequisite: instructor approval. The development, adaptation, and evaluation of special education curricula, methods, materials, and resources; procedures for implementing and evaluating instructional programs in educational settings.

812 Special Education Leadership Development. (3) A. Prerequisite: instructor approval. Leadership roles and responsibilities in special education programs, procedures and techniques to develop interpersonal relationships in school and community activities, public relations; formulation of performance objectives.

813 Field Work for Teacher Consultants of Special Education. (3) A. Prerequisite: instructor approval. Experiences in consultation in special education, study of models emphasizing work with individual pupils and teachers.

815 Administration of Special Education. (3) A. Prerequisite: instructor approval. History and current status of educational programs for exceptional children. Administrative, financial, and legal provisions. Local, state, and federal influences.

817 Field Work for Directors of Special Education. (3) A. Prerequisite: instructor approval. Experiences in directing special education services in educational systems; record keeping systems and reports; inservice education; utilization of supportive personnel and services.

820 Language Disorders of Exceptional Children. (3) A. Overview of language development and related speech and language disorders including introduction to intervention methodology.

830 Survey of Education for the Hearing Impaired. (3) A. Historical, philosophical, psychological, and social aspects of the hearing impaired. An orientation to problems, issues, and research in the field. Consideration of historic and current objectives, techniques and results, career education and adaptive P.E.

831 Advanced Speech for the Hearing Impaired. (3) A. Prerequisite: SED 581 or instructor approval. Orthographic systems used in

teaching speech. Methods of developing and correcting speech using auditory, visual, kinesthetic, and tactile cues at the elementary and advanced levels.

832 Advanced Language for the Hearing Impaired. (3) A. Prerequisite: SED 338 or instructor approval. Methods of developing language at the preschool, elementary, or secondary levels, including traditional and current methods. Evaluation of oral and written language competency of hearing impaired children.

864 Graduate Practicum: Audiology. (1-3) I, II. Supervised clinical practice in audiology and aural habilitation/rehabilitation. May be retaken for maximum of 3 hours.

865 Language Disorders of Learning-Disabled Children. (3) A. Study of the impact of language disabilities on children's academic performance. Includes review of the development of language skills, assessment and remediation procedures for the major components of morphology, syntax, semantics, and pragmatics.

866 Seminar in Pragmatics. (3) A. An in-depth study of the area of pragmatics (use of language in context) as it relates to language development. Assessment and intervention issues and procedures will be discussed.

867 Advanced Language Assessment. (3) A. Informal and formal methods of assessing children's language. Includes sampling procedures and analysis of samples in areas of grammar, syntax, semantics, and pragmatics. Selected standardized language tests are reviewed and contrasted with language assessment.

868 Advanced Clinical Audiology. (3) A. Study of current audiological techniques for differential diagnosis as related to auditory disorders.

869 Habilitative/Rehabilitative Procedures in Audiology. (3) A. Hearing loss and its effects on the child and the adult. Study of methodology for the habilitation/rehabilitation of individuals with impaired hearing.

873 Seminar: Articulation Disorders. (3) A. Study of the research and principles associated with symptomatology, etiology, diagnosis, and treatment of phonological disorders.

874 Graduate Practicum: Speech Pathology. (1) I, II. Supervised clinical practice in speech and language pathology. Must be retaken for a total of 3 hours for the MA degree; may be retaken for credit for other programs.

875 Seminar: Aphasia. (3) A. Study of the neurophysiological bases of aphasia, classification systems, evaluation of the aphasic patient, and treatment strategies including counseling.

876 Seminar: Phonation Disorders. (3) A. Study of the research and bases of laryngeal phonation deviation, including etiology, diagnosis, and treatment of functional and organic voice disorders; assessment and use of clinical techniques with a variety of voice disorders.

877 Seminar: Fluency Disorders. (3) A. Study of etiology, theory, nature, development, and treatment of fluency disorders.

878 Cleft Palate and Cerebral Palsy. (3) A. Study of etiology, pathology, and treatment of cerebral palsy and oral-facial anomalies as they affect human communication.

886 Seminar in Special Education. (3) A. Critical study of research literature on education of exceptional individuals. Directed study based on student's area of emphasis.

897 Practicum in Special Education. (3-6) A. Practicum for graduate students who seek certification in an area in special education.

898 Project Development. (3) A. Prerequisite: admission to Ed.S. program and EDF 869 or equivalent. Study of research and investigation in the area of specialization. Examination of appropriate design models. Development of acceptable project proposal.

899 Specialist Project. (3) A. Prerequisite: EDF 895 and SED 898. Guided completion of a scholarly project appropriate to the student and his/her field of specialization.

College of HEALTH, PHYSICAL EDUCATION, RECREATION, AND ATHLETICS

RUSSELL L. BOGUE, Dean

The College of Health, Physical Education, Recreation, and Athletics through its departments offers programs leading to the Master of Science degrees in Physical Education, and Recreation and Park Administration.

The Department of Health Education provides specialized courses in conjunction with the College of Education graduate degree programs leading to the Master of Arts in Education with options in school health and allied health sciences education. Rank II and Rank I certifications are also supported by departmental curricular offerings. (See College of Education section.)

The Department of Physical Education offers the Master of Science degree in physical education. This general program is for persons studying the art and science of human movement for anticipated service in higher education or non-school settings. This program also affords opportunity for in-depth study and research for purposes of advanced graduate work.

The Department also offers the Master of Science degree in physical education with an option in sports administration. This option is for the prospective sports administrator in both school and non-school settings. The sports administration option provides opportunity for interdisciplinary study for the development of special competencies in the administration of sports programs.

The Department of Physical Education provides specialized courses in conjunction with the College of Education graduate degree programs leading to the Master of Arts in Education and the Specialist in Education degrees. Additionally, the Department offers courses in the discipline required for Rank II, Rank I, and Elementary Physical Education Endorsement of Secondary, Physical Education certificate programs. (See College of Education section for specialized degree requirements.)

The Specialist in Education degree in physical education, the Master of Arts in Education degree in physical education, the sixth year non-degree program in physical education, the fifth year non-degree program in physical education, and the elementary school physical education endorsement for graduate students are supported by the Department of Physical Education and can be found in the College of Education section of this Catalog.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart. Courses numbered in the 800 series are open only to graduate students.

DEPARTMENT OF

PHYSICAL EDUCATION

PEGGY STANALAND, Chair

Physical Education

MASTER OF SCIENCE

Admission A student must have a major, minor, or equivalent in physical education and meet the general admission standards of the Graduate School.

Candidacy In order to become a candidate for a degree, a

student must have met the Graduate School's general admission standards. Refer to the General Academic Information section of this Catalog for complete information on degree completion requirements.

Thesis The thesis is optional in this program.

Comprehensive Examination During the last term of enrollment, a student must pass a comprehensive examination covering the course of study.

CURRICULUM FOR THE GENERAL PROGRAM

Research Core.....6 hours

A. Choose one of the following courses:

PHE 800 or EDF 869

B. Choose one of the following courses:

PHE 880 or 895 or EPY 842 or EAD 805

Physical Education Core.....12 hours

A. Cultural Foundations. Choose two of the following courses: PHE 822, 824, 848, 849, 870*

B. Scientific Foundations. Choose two of the following courses: PHE 821, 830, 851*, 852

Electives (including thesis option) chosen with prior approval of advisor.....12 hours

A. Three hours of 800 level PHE courses

B. Nine hours of 700 and/or 800 level courses

Total Requirements.....30 hours

*For Sports Administration Option.

SPORTS ADMINISTRATION OPTION

The student must meet the basic requirements of the program listed above, including PHE 851, 870, and EAD 805.

Course Descriptions

PHE—PHYSICAL EDUCATION

711 Coaching Field Hockey. (2) A. Theory and practice of coaching fundamentals of field hockey; includes skill analysis, strategies, and systems of play. Credit will not be awarded for both 711 and 511.

712 Coaching Volleyball. (2) A. Examination of fundamental skills and strategies, analysis of basic styles of individual and performance, and management necessary to coaching for effective performance. Credit will not be awarded for both 712 and 512.

715 Advanced Techniques of Athletic Training. (3) I, II. Study of specialized athletic training techniques, including use of electrical therapy devices. Credit will not be awarded for both 715 and 515.

721 Physical Activity and Child Development. (3) II. Prerequisite: EDF 317. Understanding of major development and the improvement of human movement through developmental movement activities which are basic to readiness for performance at school. Credit will not be awarded for both 721 and 521.

723 Psychology of Sport and Coaching. (3) I. Behavioral aspects related to sport, coaching, and the athlete in contemporary society; factors affecting performance in a competitive setting investigated. Credit will not be awarded for both 723 and 523.

740 Coaching Swimming and Diving. (2) A. Prerequisite: PHE 340 or equivalent. Designed to develop a body of knowledge concerning philosophy, rules, strategy, mechanics, and organization involved in developing and administering swimming and diving programs. Credit will not be awarded for both 740 and 540.

750 Advanced Dance Production and Workshop I and II. (1) I, II. Continuation of PHE 350 on a more advanced level with opportunities for choreography, production, and a concert presentation. May be retaken for a total of 2 credit hours. Credit will not be awarded for both 750 and 550.

752 History of Dance. (2) A. History of dance from primitive man to the present with special emphasis on the development of American modern dance. Credit will not be awarded for both 752 and 552.

754 Modern Dance Technique and Choreography. (2) A. Prerequisite: PHE 345 or instructor approval. Modern dance technique, improvisation, choreography and production. Credit will not be awarded for both 754 and 554.

762 Physical Education for the Exceptional Individual. (2) I, II. Principles and practices of adapted physical education, emphasizing the nature and needs of exceptional persons. Includes history, recent legislation, growth and development factors, assessments, and individual education plans. Credit will not be awarded for both 762 and 562.

775 Tests and Measurements in Physical Education. (3) I, II. Administration and scoring of tests; evaluation and use of results obtained. Credit will not be awarded for both 775 and 575.

790 Special Topics in Physical Education. (1-4) A. Study of various topics in physical education and sport selected to meet special student needs and interests. May be retaken with advisors approval provided subtitle is different. Credit will not be awarded for both 790 and 590.

798 Practicum in Athletic Training. (6) A. Supervising athletic training experience in a school, university, or club setting. Credit will not be awarded for both 798 and 598.

800 Research in Physical Education/Recreation. (3) I. Cross listed as REC 800. Application of research methods to physical education/recreation with emphasis on consumption of research, methods of research, and tools and instrumentation for research in physical education/recreation.

820 Administration of Physical Education. (3) I. Procedures, policies, and problems relating to administrative functions of physical education administration; topical areas include program, facilities and equipment, public relations, personnel finances, and supervision.

821 Physiological Bases of Physical Fitness. (3) I. Effects of chronic exercise on neuro-muscular, cardiovascular, respiratory, and metabolic function.

822 Sociology of Sport. (3) II. Meaning of sport in contemporary societies; relationship of selected social factors on development of social groups and attitudes in varying levels of sport; structure and function of sport in simple and complex social institutions.

824 Contemporary and Comparative Physical Education. (3) A. International physical education; current practices and trends as influenced by politics, religion, and other social factors.

830 Analysis of Human Motion. (3) II. Anatomical and physical laws that govern human motion, using research findings as bases for accurate and up-to-date analysis of motor skills.

831 Laboratory Methods in Exercise Physiology. (3) II. Prerequisite: PHE 821 or instructor approval. Study, practice and application of methods of calorimetry; anthropometry; measurement of muscular strength, muscular endurance and cardiovascular-respiratory endurance; analysis of expired air; and determination of reliability and validity.

833 Motor Development. (3) A. Examination of physical activity as a factor in growth and development of children and adolescents, including biological and behavioral science as the foundation for integrated study of physical growth, motor development, and physical activity.

848 History of Physical Education and Sport. (3) A. A study of organized physical activity of people in significant cultural epochs in history.

849 Philosophical Bases of Physical Education. (3) I. Development of philosophical approaches to physical education and interpretation of the bases underlying principles used for decision making in the discipline.

851 Equipment and Facilities in Physical Education. (3) I. Problems relating to programming of equipment and facilities; visits to and evaluation of surrounding facilities.

852 Motor Learning and Performance. (3) II. Behavioral aspects related to the theory of learning and performance of motor skills taught in school and non-school environments; factors affecting learning and performance are also investigated.

862 Adapted Physical Education. (3) II. Theory, principles, methods, and techniques of adapting physical education activities to meet specific needs of exceptional students; field project required.

869 Organization and Administration of Athletics. (3) II. Administrative patterns for high school and college athletics; topics include programs, personnel, facilities, athletic organization consideration.

870 Internship in Sports Administration. (1-6) I, II. Supervised Experience in selected aspects of sports in a sports administration setting. May be retaken for a maximum of 6 hours.

875 Seminar in Physical Education. (3) II. Research and discussion of critical questions in physical education; topics to be studied will vary according to the concerns of seminar students.

880 Interpretation of Data in Physical Education. (3) I. Statistical

interpretation of physical education data. Written reports using statistics required.

885 Independent Study. (1-3) I, II. Prerequisite: advisor and departmental chair approval. Designed for graduate students who have demonstrated the ability to conduct individual research relating to physical education. May be retaken for a maximum of 3 hours.

891 Issues in Physical Education. (3) I. Identification of critical issues arising from current problems; exploration of points of view and possible solutions.

895 Assessment in Physical Education. (3) II. Prerequisite: PHE 775, 880 or instructor approval. Comparative statistics, construction of measurement instruments, and evaluation techniques applied to physical education.

897 Thesis. (3-6) A. For students preparing a thesis in partial fulfillment of the requirements for master's degree programs. May be retaken for a maximum of 6 hours.

DEPARTMENT OF

HEALTH EDUCATION

HERMAN S. BUSH, Chair

The College of Education offers two Master of Arts in Education degree options with the cooperation of the Department of Health Education. The option in School Health Education is designed for certified public school teachers who wish to pursue graduate work in health education. The regulations for the degree may be found in the College of Education section of this Catalog. The option in allied health sciences education was established in response to the demand for qualified educators in the allied health fields. The intent of the option is to prepare allied health personnel to assume teaching roles in their areas of competencies.

Course Descriptions

HEA - HEALTH

716 Public Health Administration and Laws. (3) II. Consideration given to organizational theory, decision-making, leadership, principles of personnel and fiscal control, interpretation of state and local health laws, ordinances, and regulations. Credit will not be awarded for both 716 and 516.

755 Epidemiology. (3) I, II. Factors that affect the occurrence and course of diseases - causative agents, susceptible hosts, favorable environments, and the effective use of statistical and epidemiological methods. Credit will not be awarded for both 755 and 555.

775 Evaluation in Health Education. (3) A. Program evaluation, interpretation of national test results and the development of measurement skills in health knowledge, attitudes, and practices. Class members construct, administer, and analyze health tests. Credit will not be awarded for both 775 and 575.

790 Health Education: _____. (1-3) A. Study of pertinent problems in health education. Includes topics such as: aging, consumer health, child abuse, teenage pregnancy, elementary school health curriculum, drug education, school health services, health deviations among students, sexually transmitted diseases, etc. May be retaken once with advisor approval provided subtitle is different. Credit will not be awarded for both 790 and 590.

792 Human Sexuality. (3) A. Study of the biological, social, and psychological aspects of human sexuality. Directed primarily toward those individuals in situations which require them to assist others in understanding the broad impact of one's sexuality. Emphasis is placed upon student development of logical and reasoned justifications for their own value system. Credit will not be awarded for both 792 and 592.

793 Death and Dying. (3) A. Study of attitudes, behaviors, and issues concerning death and dying. Topics include attitudes and behaviors toward death and dying throughout the life cycle, theology and death, legal aspects of dying, care of the dying, euthanasia, suicide, grief and bereavement, post-mortem care, and death

education. Credit will not be awarded for both 793 and 593.

795 Alcohol and Alcoholism. (3) A. Study of cultural attitudes and customs regarding alcohol; biological, psychological, familial, and sociological impact of alcohol attitudes and behaviors; influences on alcohol choices; problem drinking and alcoholism, including prevention, intervention, and treatment. Credit will not be awarded for both 795 and 595.

800 Advanced Health Science. (3) A. Provides students an opportunity to broaden their knowledge of the latest scientific facts and sources of information related to selected health concerns including disease, nutrition, fitness, drug use, family living, and emotional health.

807 Health: _____ (1-3) A. Prerequisite: advisor/ departmental approval. Independent work, special topics, or seminars. May be retaken under different subtitles. Topics include first aid and safety for teachers, lifestyle and mental health, and health education for elementary teachers.

820 Utilization of Health Resources. (3) A. Various facets of the problems faced by the consumers of health-related products and the intelligent use of available community health resources.

875 Seminar in Contemporary Health Problems. (3) A. Opportunity for in-depth study of current health problems and issues utilizing guest speakers as the primary source of information.

880 Special Projects in Health. (1-3) A. Individual research into a special health problem selected by the student with the approval of the instructor.

897 Thesis. (6) A.

898 Health Care Delivery. (3) A. The course will provide a general survey of the various health professions, role of comprehensive health planning concepts, and the role of the health professional in the health care delivery system.

899 Practicum in Allied Health Sciences Education. (3) A. Student will be placed in a working situation providing supervised pedagogical experiences appropriate for the individual's area of specialty.

DEPARTMENT OF

RECREATION AND PARK ADMINISTRATION

JAMES McCHESNEY, Chair

The Department of Recreation and Park Administration is responsible for program advisement and development leading to the Master of Science degree in recreation and park administration.

The master's degree program in recreation and park administration is fully accredited by the National Recreation and Park Association/American Association of Leisure and Recreation joint council on Accreditation.

The M.S. program leads to a degree which makes graduates eligible to become certified by the National Therapeutic Recreation Society or as a leader, supervisor, or administrator through the national certification program of the National Recreation and Park Association or one of its state affiliates.

Special Program Requirements*

Recreation and Park Administration

MASTER OF SCIENCE

The Master of Science program prepares students for recreation leadership and administrative careers in govern-

ment, private enterprise, and college teaching. The program provides for study in a specialized area and for study in breadth in selected allied areas.

Prerequisites — An undergraduate background with a major or minor in recreation or a major in a related field is required. Students who have not completed an undergraduate major in recreation may be required by the graduate advisory committee to supplement their degree program with additional undergraduate course work to eradicate defined undergraduate deficiencies.

Courses open to graduate students assume some foundation in recreation and park programming, organization, management, utilization and operation of facilities, budgeting, and legal matters. Students with no field experience in a recreation and/or park setting will be expected to successfully complete a supervised practical work experience in a clinical or administrative setting. Individuals with backgrounds in biology, business, physical education, and sociology frequently find significant professional opportunities in recreation.

CURRICULUM FOR THE GENERAL PROGRAM

Recreation Core Requirements.....	18 hours
A. Foundation, REC 825	3 hours
B. Administration, REC 701** or 721 or 790, REC 840.....	6 hours
C. Supporting Courses. Choose from the following courses: REC 711, 716, 721, 790, 809, 815, 830, 845.....	9 hours
Research Requirements.....	3 hours
REC 800 or EDF 869	
Restricted Interdisciplinary Electives***	9 hours
Total Requirements.....	30 hours

*Students must also meet the general requirements of the Graduate School.

**Course required unless student has completed an undergraduate degree in recreation, parks, and/or leisure administration.

***Restricted interdisciplinary electives must be related to, and support the program. These electives are selected in prior consultation with the student's advisor.

Admission to Candidacy — The student's committee will make an appraisal relative to professional and academic promise. Any deficiency in English, written or spoken, must be removed. A satisfactory score on the aptitude sections of the Graduate Record Examination is required prior to admission to candidacy for the degree. Refer to the General Academic Information section of this Catalog for complete degree completion requirements.

Thesis — The thesis is optional in this program.

Comprehensives — During the last term of residence, the student must pass a written and/or oral comprehensive examination covering his major area of study.

Course Descriptions

REC — RECREATION AND PARK ADMINISTRATION

701 Recreation and Park Administration. (3) I, II. Community organization, administrative practices, legal aspects, recruiting, selecting leaders, personnel practice, and public relations. Credit will not be awarded for both 701 and 501.

706 Planning, Design and Maintenance of Recreation Facilities. (3) I, II. Planning principles and procedures of recreation and park areas. Facilities, design problems, details of structure and equipment, master planning methods, study of standards and trends. Credit will not be awarded for both 706 and 506.

711 Therapeutic Recreation Practices and Services. (3) I. Prerequisite: instructor approval. Terminology and programming in a therapeutic setting. Modification of leadership techniques and activities adaptation for the ill and handicapped. Field trips to observe programs. Credit will not be awarded for both 711 and 511.

716 Recreation Environmental Education Programs. (3) II. Prerequisite: REC 316 or instructor approval. Philosophy, policies, and procedures of organizing and conducting school centered environ-

mental education programs. Emphasis is placed on program services which are year-round, including resident outdoor schools and day services provided by recreation and environmental agencies for school groups. A supervised practical experience is required. Credit will not be awarded for both 716 and 516.

721 Camp Administration. (3) A. Prerequisite: REC 201 or instructor approval. Camp organization, business management, staffing, and program administration for different types of camps. Selections and development of camp sites. A supervised practical experience is required. Credit will not be awarded for both 721 and 521.

790 Recreation Workshop. (1-3) A. May be retaken under different workshop subtitle. Identification and study of specialized techniques in recreation leadership, activity skills, operational methods and services. Credit will not be awarded for both 790 and 590.

800 Research in Physical Education/Recreation. (3) I. Cross listed as PHE 800. The application of research methods to physical education/recreation with emphasis on consumption of research, methods of research, and tools and instrumentation for research in physical education/recreation.

809 Independent Study. (1-3) A. Prerequisite: REC 800 or EDF 869. Prerequisite: advisor/instructor approval. Independent study of special topics and problems through directed readings and research. May be retaken for a maximum of 3 hours.

815 Practicum in Recreation. (1-3) A. Prerequisite: department chair approval. Supervised practical work experience in a clinical or administrative setting.

825 Philosophy and Trends in Recreation and Leisure. (3) A. Changing environment, significance or leisure in American life, theories and concepts of recreation and leisure, education for the arts of leisure, and recreative use of leisure.

830 Outdoor Recreation Resources and Programs. (3) A. Prerequisite: instructor approval. Outdoor recreation trends, environment impact, human dynamics, and program patterns within a variety of settings and under the auspices of a variety of agencies are investigated. Recreation resource design concepts and practices are studied and theoretical models of outdoor recreation are compared with programs in operation.

840 Administrative Processes and Practices. (3) A. Principles and concepts of administration, in-depth investigation of budgeting, policy formulation, and legislative provisions.

845 Seminar: Problems in Recreation. (1-4) A. Extensive collection and analysis of data concerning issues, trends, or problems that should be solved by the profession.

897 Thesis. (6) A. Designed for students preparing a thesis in partial fulfillment of the requirements for the master's degree program.

College of LAW ENFORCEMENT

TRUETT A. RICKS, Dean

The study of criminal justice is viewed as an applied social science educational endeavor. At the master's level, the College of Law Enforcement aims to prepare personnel for teaching at the higher educational level and for decision-making and policy-making positions in police corrections, juvenile, and judicial systems. Programs offered are designed to prepare personnel for college teaching, research, and major decision-making positions in police, corrections, and criminal justice planning stress.

The basic objectives of the graduate program are based upon the assumption that criminal justice decision-making and policy-making in a modern democratic society require a broad academic experience, innovative thinking, including theoretical foundations of the field, appropriate research methods, and principles of administration applicable in this field.

A major focus is to demonstrate that criminal justice in the United States and problems associated with crime and delinquency must be viewed within the context of a democratic society rather than an isolated system. This leads to the analysis of major elements within criminal justice — police, courts, and corrections — as highly related elements in a total system in which decisions regarding crime and justice in one sphere can have consequences in other spheres.

It is therefore expected that graduates will be:

1. conversant with the theoretical and legal principles implicit in criminal justice administration;
2. knowledgeable of the essential research contributions in the field;
3. capable of research analysis appropriate to the field; and
4. competent to assume administrative responsibilities involving decision-making in one of the areas of criminal justice administration, or competent to teach at the higher education level in this field of study.

Special Program Requirements*

Criminal Justice

Law Enforcement

MASTER OF SCIENCE

Admission — Students seeking unconditional admission should hold a baccalaureate degree from an accredited institution of higher learning with a 2.75 grade point average and a score of 800 from the aptitude section of the Graduate Record Examination. An applicant whose grade point average is less than 2.75 but otherwise meets minimum University requirements may be admitted if they also qualify under conditions that academic work, professional accomplishments, and Graduate Record Examination Scores show evidence of ability, motivation, and a likelihood for success at the graduate level as determined upon evaluation by the College of Law Enforcement Graduate Coordinating Committee. The Graduate Record Examination requirement may be adjusted by allowing each one-tenth point of undergraduate grade point average over 2.4 to compensate for 10 points deficiency in the Graduate Record Examination scores up to a maximum of 70 points, providing that the student has attempted the Graduate Record Examination a minimum of two times. Students may be required by the College of Law Enforcement Graduate Coordinating Committee to complete prerequisite courses.

Admission to Candidacy — Satisfactory scores on the aptitude tests of the Graduate Record Examination are required for admission. Refer to the General Academic section of this Catalog for complete degree completion requirements.

Program — A minimum of 30 semester hours of graduate credit is required. The following courses are required of all students: Advanced Police Administration (CRJ 810) or Loss Prevention Administration (CRJ 815) or Correctional Administration (CRJ 835), Applied Study in Police Administration (CRJ 811) or Applied Study in Juvenile Justice (CRJ 821) or Applied Study in Corrections (CRJ 831) or Applied Study in Loss Prevention (CRJ 841), Special Problems in Criminal Law (CRJ 840), Theories of Criminology and Delinquency (CRJ 870), and Research Methodology in Criminal Justice Systems (CRJ 888). This program offers options in general studies, criminal justice education, police administration, corrections and loss prevention administration.

CURRICULUM FOR THE GENERAL PROGRAM

Core Courses	15 hours
CRJ 810 or 815 or 835; 811** or 821** or 831** or 841**, 840; 870; 888	
Subject Matter Core	15 hours
In consultation with advisor, student may meet individual needs by selecting courses that emphasize a particular aspect of criminal justice.***	
Total Requirements	30 hours

OPTION IN CRIMINAL JUSTICE EDUCATION

Core Courses	15 hours
CRJ 810 or 815 or 835; 811** or 821** or 831** or 841**, 840; 870; 888	
Education Core	7 hours
EHE 890, 898, 899	
Subject Matter Core	6 hours
CRJ 820, 830	
Elective or Thesis	3 or 6 hours
Total Requirements	31 or 34 hours

OPTION IN POLICE ADMINISTRATION

Core Courses	15 hours
CRJ 810 or 815 or 835; 811** or 821** or 831** or 841**, 840; 870; 888	
Subject Matter Core	9 hours
CRJ 812, 857, 875	
Elective or Thesis	6 hours
Total Requirements	30 hours

OPTION IN CORRECTIONS

Core Courses	15 hours
CRJ 810 or 815 or 835; 811** or 821** or 831** or 841**, 840; 870; 888	
Subject Matter Core	9 hours
CRJ 820, 830, 856	
Elective or Thesis	6 hours
Total Requirements	30 hours

OPTION IN LOSS PREVENTION ADMINISTRATION

Core Courses	15 hours
CRJ 810 or 815 or 835; 811** or 821** or 831** or 841**, 840; 870; 888	
Subject Matter Core	9 hours
CRJ 855, EHE 890, INS 878, or 890	
Elective or Thesis	6 hours
Total Requirements	30 hours

*Student must also meet the general requirements of the Graduate School.

**Students with appropriate work experience may substitute an elective for this course.

***Enrollment for more than 3 hours outside the College of Law Enforcement requires approval of student's committee.

Thesis — A thesis is optional in this program. An oral defense of the thesis is required.

Comprehensives — All students are required to pass a comprehensive examination.

Course Descriptions

CRJ — CRIMINAL JUSTICE

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

760 Advanced Criminal Justice Administration. (3) A. An analysis of elements within the criminal justice system, interactional proc-

esses within each element and between the criminal justice system and other social systems. Credit will not be awarded for both 760 and 560.

810 Advanced Police Administration. (3) A. An examination of the functions of the police in the system of criminal justice; principles of organizations, administration, police formulation, and management of personnel; statutory limitations on authority and jurisdiction; professionalization of the police.

811 Applied Study in Police Administration. (3) A. Supervised study in approved police setting designed to provide the student an opportunity to synthesize theory and on-the-job situations. Individual conferences.

812 Police Human Resource Development. (3) A. An examination of human resource management in policing. Case law and technical aspects of police recruitment, selection, and promotions are examined. Career development, compensation management, job analysis, and performance appraisal and productivity measurement are analyzed.

815 Loss Prevention Administration. (3) A. Examination of loss prevention functions; principles of organizations, record keeping, administration, statutory regulations, safety auditing requirements, security planning, fire safety, insurance, life safety, and theory of total loss prevention programming.

820 Seminar in Juvenile Justice. (3) A. Theoretical and empirical study of the etiology, distribution, and extent of delinquency; problems involved in measuring delinquency; role of the police and courts; legal statutes; critical examinations of treatment and prevention programs.

821 Applied Study in Juvenile Justice. (3) A. Supervised study in an approved juvenile justice agency designed to provide the student an opportunity to synthesize theory and on-the-job situations. Individual conferences.

830 Seminar in Criminology and Corrections. (3) A. A seminar designed to explore criminological theories and practices regarding causes of criminal behavior; contemporary philosophies, legal codes and methods of treating offenders; the social structure of the institution; measures for the prevention of crime.

831 Applied Study in Corrections. (3) A. Supervised study in an approved correctional setting designed to provide the student an opportunity to synthesize theory and on-the-job situations. Individual conferences.

835 Correctional Administration. (3) A. An examination of the contemporary approaches to Correctional Administration and their theoretical roots, including focus upon management information systems, management by objectives and organizational development. Focus on correctional personnel as agents of change.

840 Special Problems in Criminal Law. (3) A. Advanced study of theories in criminal law and criminal procedure; the relationship of criminal law to the prevention of criminal behavior and to rehabilitation; techniques of legal research.

841 Applied Study in Loss Prevention. (3) A. Supervised study in approved loss prevention setting to provide the student an opportunity to synthesize theory and on-the-job situations. Individual conferences.

855 Group Theory and Methods for the Correctional System. (3) A. Group theory and methods relevant to staff development and treatment of offenders are studied in the classroom and practiced in a laboratory setting.

856 Legal and Ethical Issues in Corrections. (3) A. An analysis of the impact of federal and state laws, court decisions, and moral and ethical issues in relation to treatment procedures for adult and juvenile offenders. Emphasis on offender's retention of constitutional guarantees.

857 Criminal Justice Planning. (3) A. Overview of planning as a component of the criminal justice system; emphasis on characteristics of effective planning; review of operation of various state planning agencies, Law Enforcement Assistance Administration, and U.S. Department of Justice.

865 Loss Prevention Auditing. (3) A. Total loss prevention concept. Theory of loss prevention auditing in safety, security, life support, fire prevention and suppression, and code compliance. Objective inventory of twenty-nine areas.

866 Law and the Juvenile Justice System. (3) A. A study of laws relevant to the juvenile justice system with a major focus on further development of laws in terms of current needs and social situations of juvenile offenders.

870 Theories of Criminology and Delinquency. (3) A. Review of classical and current theories of criminology and delinquency and the underlying assumptions of each. Particular attention given to

the interaction between ecological factors and the criminal justice system.

875 Social Ecology and the Criminal Justice Systems. (3) A. An analysis of time and space factors characteristic of the human environment in communities in the United States. Particular attention given to the interaction between ecological factors and the criminal justice system.

877 Social Change and the Criminal Justice System. (3) A. Review of significant social changes in twentieth century America and the relation between these and the criminal justice system. Attention given to effects of social change in the future of the Criminal Justice System.

879 The Study of Victims. (3) A. Comprehensive study of victimization; analysis of contemporary victim-compensation programs and related research; and review of the historical importance of

victim restitution as a basis for punitive criminal law.

888 Research Methodology in Criminal Justice Systems. (3) A. Prerequisites: COR/PAD 400 or equivalent. Local, state, federal, and international sources of information; observational, rating, and survey techniques, sociometrics; anecdotal records, behavioral measurement; longitudinal approaches, proposal writing; selection of methodologies.

890 Topical Seminar in Criminal Justice. (3) A. May be retaken for a maximum of 12 hours on different topics.

897 Independent Study in Criminal Justice. (3 or 6) A. Individual investigations in the field of criminal justice. Investigations may be conducted in the field and under the supervision of the research advisor and other staff member.

898 Thesis I. (3) A.

899 Thesis II. (3) A.

College of NATURAL AND MATHEMATICAL SCIENCES

DONALD L. BATCH, Dean WALLACE C. DIXON, Associate Dean

Departments within the College of Natural and Mathematical Sciences, in association with the Graduate School, offer programs leading to the Master of Science degree.

The departments of Biological Sciences, Chemistry, Geology, Mathematical Sciences, and Physics and Astronomy offer programs awarding the Master of Science degree. Special program requirements and courses offered for graduate credit in the College are listed by departments.

Eastern Kentucky University and the Department of Biological Sciences, in cooperation with the University of Kentucky and the School of Biological Sciences, offer the joint doctoral program, Doctor of Philosophy with the final degree awarded by the University of Kentucky. Students desiring to pursue the joint doctoral program should consult with the Graduate School and/or with the Department of Biological Sciences.

The Master of Arts in Education degree with an option in a specific science subject or in general science is offered in the College of Education with the cooperation of the departments of Biological Sciences, Chemistry, Geology, Mathematical Sciences, and Physics and Astronomy. The program requirements for these degrees may be found in the College of Education section of this Catalog.

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Natural and Mathematical Sciences Courses CNM-INTERDISCIPLINARY

700 Interdisciplinary Seminar: _____. (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken for a total of six hours.

GULF COAST RESEARCH LABORATORY COURSES (MAR)

Eastern Kentucky University is affiliated with Gulf Coast Research Laboratory, Ocean Springs, Mississippi. This affiliation provides undergraduate and graduate students with the opportunity to take courses and conduct research in marine sciences at an established, well-equipped labora-

tory located on the Gulf of Mexico. Students electing to study at Gulf Coast Research Laboratory do not pay out-of-state tuition.

The following courses are taught only at Gulf Coast Research Laboratory, Ocean Springs, Mississippi, during the summer. The Laboratory furnishes the staff for course work and research. Applications for the program and additional information are available in the Departments of Biological Sciences, Chemistry, and Geology and in the Division of Natural Areas.

Course numbers in parenthesis are assigned by the Gulf Coast Research Laboratory.

Course Descriptions

MAR — MARINE SCIENCES

701 Marine Botany (Botany 341). (4) A. Prerequisites: 10 semester hours of biology; general botany. A survey of the principal groups of marine algae and maritime flowering plants; their structure, reproduction, distribution, identification, and ecology. Credit will not be awarded for both 701 and 501.

702 Salt Marsh Plant Ecology (Botany 441). (4) A. Prerequisites: 10 semester hours of biology; general botany. Emphasis on the botanical aspects of local marshes. Composition, structure, distribution, and development of coastal marshes. Credit will not be awarded for both 702 and 502.

703 Marine Microbiology (Microbiology 452). (5) A. Prerequisite: general microbiology. Introduction to microorganisms of oceans and estuaries. Course work includes sampling procedures, marine bacteria taxonomy, mineralization, microbial fouling, pollution, and marine animal diseases. Credit will not be awarded for both 703 and 503.

709 Coastal Vegetation (Botany 331). (3) A. Prerequisites: 10 semester hours of biology; general botany. A study of general specific aspects of coastal vegetation, with emphasis on local examples. Credit will not be awarded for both 709 and 509.

710 Marine Invertebrate Zoology (Zoology 361). (6) A. Prerequisites: 16 semester hours of zoology. Concentrated study of free-living marine invertebrates of Mississippi Sound and adjacent continental shelf with emphasis on the structure, classification, phylogeny, larval development, and functional processes. Credit will not be awarded for both 710 and 510.

711 Marine Vertebrate Zoology and Ichthyology (Zoology 362). (6) A. Prerequisites: 16 semester hours of zoology; comparative anatomy. A general study of marine Chordata, with emphasis on the fishes. Identification and classification of fishes stressed in laboratory. Credit will not be awarded for both 711 and 511.

712 Marine Fisheries Management (Zoology 442). (4) A. Prerequisites: ichthyology and fisheries biology. Practical marine fisheries management problems with emphasis on achieving optimum sustainable yield from marine resources; management methods, legal problems and educational needs of fishing technology. Credit will not be awarded for both 712 and 512.

713 Behavior and Neurobiology of Marine Animals (Zoology 443). (4) A. Prerequisites: 16 semester hours of zoology and/or psychology. A survey of the behavior, neuroanatomy, and neurophysiology of selected marine animals. Emphasis on neural mechanisms underlying their behavior. Credit will not be awarded for both 713 and 513.

714 Parasites of Marine Animals (Zoology 461). (6) A. Prerequisite: general parasitology. Parasites of marine organisms with emphasis on morphology, taxonomy, life histories, and host-parasite relationships. Laboratory includes collecting, staining, mounting, and identification of parasites to the generic level. Credit will not be awarded for both 714 and 514.

715 Aquaculture (Zoology 464). (6) A. Prerequisites: general zoology, invertebrate zoology. Technology, principles, and problems relating to the culture of selected marine and estuarine organisms. Laboratory and field experience for participation in organized mariculture operations and/or research. Credit will not be awarded for both 715 and 515.

716 Early Life History of Marine Fishes (Zoology 448). (4) A. Prerequisites: ichthyology, fisheries biology, and ecology. Reproductive strategies and early development processes of marine fishes. Role of early stages of fishes in fisheries oceanography, marine ecology, and systematics; methods of sampling, identifying, and rearing fish eggs and larvae. Credit will not be awarded for both 716 and 516.

720 Marine Chemistry (Chemistry 461). (6) A. Prerequisites: 16 semester hours of chemistry; 3 to 6 semester hours of biology and geology. A study of chemical aspects of ocean ecosystems. Instrumentation includes gas-liquid chromatography, atomic absorption, spectrophotometry. Credit will not be awarded for both 720 and 520.

733 Coastal Marine Geology (Geology 431). (3) A. Prerequisites: 6 semester hours of geology. A study of inshore and nearshore geological processes, sedimentation patterns, and landform development. Credit will not be awarded for both 733 and 533.

741 Marine Ecology (Zoology 452). (5) A. Prerequisites: 16 semester hours of biology including general botany and invertebrate zoology; analytical chemistry. A study of the relationship of marine organisms to their environment and factors affecting their abundance and distribution. Credit will not be awarded for both 741 and 541.

742 Fauna and Faunistic Ecology of Tidal Marshes (Zoology 447). (4) A. Prerequisites: 16 semester hours of biology. Survey and discussion of the taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals with emphasis on those occurring in northern Gulf marshes. Credit will not be awarded for both 742 and 542.

750 Marine Science for Teachers I: Basic Techniques (Marine Science Education 431). (3) A. Prerequisite: biology background. Designed to introduce in-service teachers to the study of marine science and to promote the teaching of marine biology at all grade levels. Credit will not be awarded for both 750 and 550.

751 Marine Science for Teachers II: Advanced Studies (Marine Science Education 432). (3) A. Prerequisite: MAR 550. A continuation of the prerequisite course, MAR 550. Credit will not be awarded for both 751 and 551.

801 Special Topics in Marine Science (Marine Science 705). (1-6) A. Prerequisite: determined by topics advisor at the Laboratory. Selected reading, lecture, laboratory, field activities in marine science areas in which the Laboratory offers no formal course work.

802 Seminar (Marine Science 510). (1) A. Open to any graduate student. Required for all graduate students in residence at Gulf Coast Research Laboratory.

803 Descriptive Physical Oceanography (Oceanography 541). (4) A. Prerequisites: differential and integral calculus. Fundamental concepts, theories and terminology of physical oceanography. Exercises include the handling and use of oceanographic instruments, automatic processing of hydrographic data and basic computations.

804 Special Problems in Marine Science (Marine Science 700). A. Prerequisites and credit to be set by problem director at the laboratory. Supervised research on specific problems in all areas of marine science.

DEPARTMENT OF

BIOLOGICAL SCIENCES

SANFORD L. JONES, Chair

The Department of Biological Sciences provides opportunities for graduate studies leading to the Master of Science degree in biology which may include an option in applied ecology. A planned curriculum of study, based on individual needs, is selected by the student in consultation with the student's graduate committee. Examples of research areas that may be pursued are: ecology and wildlife biology, ecology of fresh-water fishes and aquatic biology, ecology of forest and grassland communities, physiological ecology, animal and plant systematics, morphology, animal behavior, biochemistry and physiology of parasites, physiology and cell biology, endocrinology, microbiology, invertebrate zoology, and other special interests in zoology and botany.

The Master of Arts in Education degree with an option in biology is offered in the College of Education in cooperation with the Department of Biological Sciences. Requirements for the degree are found in the College of Education section of this Catalog.

The Department of Biological Sciences cooperates with other natural science departments in the College of Natural and Mathematical Sciences and the College of Education in offering the Master of Arts in Education with an option in general science. This option is primarily for non-specialized science teachers and is described in the College of Education section of this Catalog.

Students completing the Master of Science degree in biology at Eastern Kentucky University may elect to continue their graduate studies for the Ph.D. degree through a joint participation agreement with the School of Biological Sciences at the University of Kentucky.

Special Program Requirements

Biology

MASTER OF SCIENCE

Admission — Applicants must meet the minimum requirements stipulated by the Graduate School; however, acceptance is competitive and is based on evaluations by the departmental graduate committee. The departmental recommendations on acceptance or rejection are submitted to the Graduate School. Applications to the Graduate School must include: (1) one or more letters of recommendation, (2) scores for the aptitude portion of the Graduate Record Examination, (3) a statement by the applicant defining career interest and reasons for pursuing graduate studies, and (4) official copy of transcripts.

Prerequisites — To qualify for clear admission to the Master of Science degree program in the Department of Biological Sciences, applicants must have completed the following core courses in biology to include general biology (or equivalent to general botany and general zoology) cellular biology, genetics, physiology, and field biology; and supporting courses to include chemistry, general physics and mathematics that are equivalent to Bachelor of Science degrees in biological sciences at Eastern Kentucky University. When deficiencies are deemed to exist in an applicant's academic preparation, the student may still be accepted for graduate studies but the deficiencies will be delineated and assigned for early completion during graduate studies, and all must

be completed prior to being admitted to candidacy for the degree.

Program Requirements — A graduate student must complete a minimum of 30 graduate semester hours, including thesis, for the Master of Science degree.* The planned program of study must include: (1) at least 21 semester hours of biology to include (a) three semester hours of core courses in scientific literature and writing in biology (BIO 801) and graduate seminar (BIO 890), (b) six semester hours of thesis research (BIO 891) and (c) electives to complete at least 21 semester hours in biology; (2) additional electives in biology or other appropriate courses to complete a minimum of 30 semester hours; (3) either one approved language, or statistics - computer science option (CSC 174 or 180 and BIO 710); (4) demonstration of an adequate knowledge in the biological sciences and research area by successfully passing at least three written comprehensive examinations; and (5) success in passing an oral examination in defense of the thesis.

Admission to Candidacy — Prior to completion of 12 semester hours of graduate course work, a graduate student must make application for admission to candidacy. To qualify for admission to candidacy, these additional requirements must be completed: (1) achievement of a satisfactory score on the aptitude portion of the Graduate Record Examination; (2) removal of all deficiencies as indicated on the Certificate of Admissions to Graduate School form and; (3) achievement of a 3.0 grade point average for all graduate course work completed. Admission to candidacy must be completed prior to enrollment in any of the last 18 semester hours of the student's program. Refer to General Academic Information Section of this Catalog for complete degree completion requirements.

*Only six semester hours of course work with a grade of "C" may be applied toward degree requirements.

BIOLOGY PROGRAM — A minimum of 30 semester hours of graduate credit is required. The program shall include the following:

Biology Core (3 hours)

BIO 801 Scientific Literature and Writing
in Biology 2 hours
BIO 890 Graduate Seminar 1 hour

Thesis (BIO 891)..... 6 hours

Electives 21 hours

Biology and other appropriate courses are selected with approval of student's advisor and include at least 6 semester hours of 800 level courses and a minimum of 21 hours of biological sciences courses in the total program.

Total Requirements..... 30 hours

Students may choose to pursue the applied ecology option as part of their program elected hours.

Applied Ecology Option (11 hours)

BIO 848 Environmental Analysis of Aquatic
Ecosystems 3 hours
BIO 849 Field Methods in Ecology..... 3 hours
BIO 850 Dynamics of Ecosystems 2 hours

Supporting Courses (must take one)..... 3 hours

BIO 714, 718, 721, 722, 724, 725, 742, 753, 754, 756, 757,
758, 802, 806, 816, 840, 845, 847, GEO 710, 755, 756.

Course Descriptions

BIO — BIOLOGICAL SCIENCES

710 Quantitative Biology. (3) I. Prerequisite: 3 hours of college mathematics or instructor approval. Statistical analysis of biological data. Students participate in the taking of data and processing data by the use of well-established statistical techniques. 6 Lab-Disc. Credit will not be awarded for both 710 and 510.

714 Evolution. (3) A. Prerequisite: BIO 315 or instructor approval. Processes of organic evolution with emphasis on the theory of natural selection. Credit will not be awarded for both 714 and 514.

718 Parasitology. (3) A. Prerequisite: BIO 211. Principles of parasitology, including basic morphology, classification, life cycle, and host-parasite relationships. 2 Lec/2 Lab. Credit will not be awarded for both 718 and 518.

719 Clinical Parasitology. (3) II. Prerequisite: BIO 211 or instructor approval. To develop an understanding of and an appreciation for those parasites that are of medical importance to the health of humans throughout the world. 3 Lec-Lab. Credit will not be awarded for both 719 and 519.

720 Pathogenic Microbiology. (4) II. Prerequisite: BIO 320 or instructor approval. Studies in the field of advanced clinical microbiology with emphasis on morphology, cultivation, biochemistry, and serological identification of bacterial and mycotic diseases; and aspects of pathogenesis, epidemiology, and control measures of bacterial and mycotic diseases. 2 Lec/4 Lab. Credit will not be awarded for both 720 and 520.

721 Plant Ecology. (3) A. Prerequisites: BIO 131, 211 or instructor approval. Plant life in relation to natural habitats and environmental factors with emphasis on instrumentation and methodology for ecological studies. 2Lec/3 Lab. Credit will not be awarded for both 721 and 521.

722 Grasses and Grasslands. (3) I. Prerequisite: BIO 316, 335 or instructor approval. Evolution, structure, function and maintenance of grasslands; laboratory sessions on phylogeny, classification and identification of grasses. Emphasis on North American grasses and grasslands with field trips to natural and managed grasslands of Kentucky. 1 Lec/4 Lab. Credit will not be awarded for both 722 and 522.

724 Phycology. (3) A. Prerequisite: BIO 131. Morphology, taxonomy, ecology, and the economic importance of freshwater algae. 2 Lec/2 Lab. Credit will not be awarded for both 724 and 524.

725 Aquatic Plants. (3) A. Prerequisite: BIO 131. Collection, identification, and recognition of the vascular aquatic plants; their structural and functional modifications. 6 Lec/Lab. Credit will not be awarded for both 725 and 525.

726 Plant Pathology. (3) A. Prerequisite: BIO 328 or Instructor approval. Principles of plant pathology; significance and the nature of plant disease resistance, pathogenesis, and control. 2 Lec/2Lab. Credit will not be awarded for both 726 and 526.

727 Immunology. (3) A. Prerequisites: BIO 320, CHE 361 or instructor approval. Characteristics of immune reactions at the molecular level and *in vivo*. Nature and interactions of antigens and antibodies, and allergic phenomena. 2 Lec/3 Lab. Credit will not be awarded for both 727 and 527.

728 Virology. (3) A. Prerequisite: BIO 320 or instructor approval. Fundamentals of classification, structure, and pathogenesis of viruses. Host-virus interactions and their applications to medicine and industry. Credit will not be awarded for both 728 and 528.

729 Infection Control. (3) A. Prerequisite: BIO 320 or instructor approval. This course is designed to provide an in-depth knowledge of how to perform surveillance in an allied health care facility, with emphasis on guidelines for determining infections, interpretation of clinical data and presenting health related data, and antibiotic utilization studies. Credit will not be awarded for both 729 and 529.

730 Microbial Physiology. (2) A. Formerly covered in part by BIO 522. Prerequisites: BIO 320, CHE 362 or instructor approval. Advanced study of microbial genetics, nutrition, and the effects of chemical and physical environments upon microorganisms in soil, aquatic habitats, and those of industrial importance. Credit will not be awarded for both 730 and 530.

731 Cell Biology. (3) A. Formerly covered in part by BIO 540. Prerequisites: BIO 211; CHE 381 or instructor approval. The molecular basis for cellular structure and function will be presented with emphasis on cellular energetics, the regulation of cellular function, and cell specialization. Credit will not be awarded for both 731 and 531.

732 Cell Biology Laboratory. (2) A. Pre/corequisite: BIO 730 or 731 or instructor approval. A laboratory course correlated with BIO 730 or 731. Experiments will be performed on: cellular growth, nutrition, mutagenesis, protein synthesis, receptor affinity and DNA analysis, utilizing techniques of electrophoresis, chromatography, ultracentrifugation, liquid scintillation counting, and cell cultivation. 4 Lab. Credit will not be awarded for both 732 or 532.

742 Natural History of Invertebrates. (3) A. Prerequisite: BIO 141 or instructor approval. Collection, systematics, distribution, behavior, ecology, and life histories of terrestrial and freshwater invertebrates.

tebrates. 1 Lec/4 Lab. Credit will not be awarded for both 742 and 542.

746 Histology. (4) I. Prerequisite: BIO 211. Microscopic anatomy of normal vertebrate cells, tissues, and organs. 2 Lec/4 Lab. Credit will not be awarded for both 746 and 546.

747 Comparative Vertebrate Embryology. (4) II. Prerequisite: BIO 211. Gametogenesis, fertilization, morphogenesis and organogenesis of the frog, bird, and mammal. Particular emphasis is placed on mammalian development. 2 Lec/4 Lab. Credit will not be awarded for both 747 and 547.

749 Endocrinology. (3) A. Prerequisites: BIO 348; CHE 361 or instructor approval. A general introduction to the field of vertebrate endocrinology; homeostatic models of endocrine mediated events; functions of major endocrine glands; neuroendocrine mechanism, and the integrative aspects of hormonal mediated processes. 1 Lec/4 Lab. Credit will not be awarded for both 749 and 549.

750 Animal Behavior. (4) A. Prerequisite: BIO 211. Advanced study of behavior with emphasis on inherited behavioral patterns in relation to the evolution and ecology of animals. 3 Lec/2 Lab. Credit will not be awarded for both 750 and 550.

753 Mammalogy. (3) A. Prerequisite: BIO 342 or 316 or instructor approval. Classification, natural history, field methods, and distribution of mammals. 1 Lec/4 Lab. Credit will not be awarded for both 753 and 553.

754 Ornithology. (3) A. Prerequisite: BIO 211 or instructor approval. Avian biology with emphasis on field identification of local avifauna, anatomy, physiology, ecology, evolution, migration, economic importance, distribution, and behavioral patterns. Early morning field trips required. 2 Lec/4 Lab. Credit will not be awarded for both 754 and 554.

756 Herpetology. (3) A. Prerequisite: BIO 141 or instructor approval. Natural history of the amphibians and reptiles including taxonomy, general ecology, behavior, distribution, breeding, and food habits. 2 Lec/3 Lab. Credit will not be awarded for both 756 and 556.

757 Ichthyology. (3) A. Prerequisite: BIO 141. Internal and external morphology, taxonomy, life histories, ecology, and phylogeny of the fishes of North America with emphasis on Appalachian fauna. 6 Lec-Lab. Credit will not be awarded for both 757 and 557.

758 Limnology. (3) A. Prerequisite: BIO 316 or instructor approval. Ecology of lakes and streams with special reference to physical, chemical, and biological factors of lotic and lentic environments. Comparative field investigations, methods and instruments of limnological field investigation of lakes and streams. 1 Lec/4 Lab-Disc. Credit will not be awarded for both 758 and 558.

761 Fisheries Biology. (4) A. Prerequisite: BIO 757 or instructor approval. Study of anatomy, life histories, disease, conservation, methods of harvest, economic importance, and ecological interactions of fishes. 2 Lec/6 Lab. Credit will not be awarded for both 761 and 561.

762 Fisheries Management. (4) A. Prerequisite: BIO 757 or instructor approval. Methods of fish-catching in the world, making and setting nets, construction of fish ponds, management of lakes, ponds and streams. The culture of game fishes, fisheries statistics, and field experience. 2 Lec/6 Lab. Credit will not be awarded for both 762 and 562.

785 Regional Wildlife Management and Policy. (3) A. Prerequisite: BIO 382 or 316 or instructor approval. Composition, distribution, history, and management of wildlife resources in biotic regions of North America with emphasis on land use and wildlife population trends. Credit will not be awarded for both 785 and 585.

786 Migratory and Resident Wildlife Ecology and Management. (4) II. Formerly covered in part by BIO 587 and 589. Prerequisites: BIO 382, 753 and 754 or concurrent enrollment. Advanced study of management and ecology of migratory birds and resident forest, farm, rangeland and wilderness species, both game and non-game. 2 Lec/4 Lab. Credit will not be awarded for both 786 and 586.

797 Instrumentation and Biological Methodology. (2) I. Prerequisite: BIO 211. Methodological approaches and theory of instrumentation applicable to biological research and biomedical technology will be presented, with emphasis on types of electrophoresis, methods of chromatography, spectrophotometric analysis, radiation measurements, radioimmunoassay techniques, and basic biochemical calculations. 4 Lab. Credit will not be awarded for both 797 and 597.

798 Special Problems. (1-3) I, II. Prerequisite: Instructor and departmental chair approval. Independent research in the biological sciences, under the guidance of a faculty member, which allows students to design a research problem and make experimental ob-

servations and conclusions. May be retaken for a maximum of four semester hours.

799 Topics in Biological Sciences. (1-6) A. Prerequisite: Instructor approval. Special topics in the biological sciences of current interest to faculty and students will be presented through lecture, discussion, and reports. May be retaken for a maximum of six semester hours.

801 Scientific Literature and Writing in Biology. (2) I. Directed readings in biology designed to acquaint the student with the major sources of literature, the delimitation of problems, note taking and the making of bibliographies, and the writing of scientific articles.

802 Select Topics in Biological Sciences. (1-3) A. Advanced study of modern biological principles and the solution of interacting problems. The course content will be designed to meet the needs of students in specialized areas of biology. May be retaken for a maximum of six hours credit, but only three hours may be counted towards the degree.

806 Aquatic Entomology. (3) A. Prerequisite: BIO 341 or 355 or instructor approval. To develop an understanding of and an appreciation for aquatic insects. Techniques on collecting as well as the biology, ecology, and systematics of each of the aquatic insect orders will be considered. 1 Lec/4 Lab.

812 Cytology and Cytogenetics. (4) A. Molecular structure of organelles and correlation of these structures to their functions in maintaining cell viability and their interrelationship to hereditary mechanisms in plants and animals. 2 Lec/4 Lab.

816 Biogeography. (3) A. Ecological, faunistic, and floristic distribution on a world-wide basis. Theory of distribution pathways as regards final distribution.

821 Medical Mycology. (3) A. An advanced study in the field of medical mycology which includes the study of opportunistic, systemic and localized mycotic diseases. Identification schemes, pathogenesis and epidemiology will be discussed. 2 Lec/2 Lab.

825 Plant Morphogenesis. (3) A. A study of plant growth with respect to cells and meristems; phenomena of morphogenesis, correlation, polarity, symmetry, differentiation, regeneration, and tissue mixtures.

840 Plant Communities. (3) A. Organization and classification of natural vegetation as plant communities; historical and current practices of sampling, analyzing and documenting vegetation structure and development. Emphasis on eastern United States ecosystems with field trip through southern Appalachians.

845 Vertebrate Physiological Ecology. (3) A. Comparative study of physiological mechanisms of vertebrates in response to changing environmental conditions. Topics emphasized include temperature adaptation, color change, orientation, and biological rhythms. 2 Lec/3 Lab.

847 Advanced Animal Ecology. (3) A. Structure, composition and classification of biotic communities, population growth and regulation; interaction of populations; and techniques for measurement of environmental factors in terrestrial environments. 2 Lec/3 Lab.

848 Environmental Analysis of Aquatic Ecosystems. (3) A. Structure, composition and classification of biotic communities, population growth and regulation; interaction of populations, and techniques for measuring aquatic environments. 2 Lec/3 Lab.

849 Field Methods in Ecology. (3) A. Field sampling techniques and methods of observation applicable to the characterization of terrestrial and aquatic habitats and their biota will be emphasized. Measurements may be applied to environmental quality assessment. 6 Lab/Disc.

850 Dynamics of Ecosystems. (2) A. Homeostatic mechanisms of ecosystems; structure, function, stability, diversity, competition coexistence, and maturation processes; energy flow and nutrient cycling, food web interaction; introduction to ecosystem modeling.

890 Graduate Seminar. (1) A. Prerequisite: BIO 801. Presentation and discussion of selected topics and research in the biological sciences. Required of all graduate students and may be retaken for a maximum of two hours of credit.

891 Thesis Research. (1-6) A. The accomplishment of an independent research project, in consultation with a faculty advisor, for the preparation of a thesis as part of the requirements for the M.S. degree in biology. May be retaken for a maximum of six hours credit.

CHEMISTRY

HARRY M. SMILEY, Chair

The Department of Chemistry offers the Master of Science degree in chemistry. This program should provide each candidate with depth of understanding in several branches of chemistry and a background of theory in at least one area of chemistry sufficient to permit independent study and creative thinking. The research phase of the program should provide each candidate with the opportunity to integrate the use of modern chemical literature with fundamental laboratory techniques and thereby to arrive at the threshold of independent research.

The Master of Arts in Education degree with an option in chemistry is offered in the College of Education with the cooperation of the Department of Chemistry. The regulations for the degree can be found in the College of Education section of this Catalog.

The Department of Chemistry cooperates with the other natural science departments and the College of Education in offering the degree of Master of Arts in Education with an option in general science. This program is primarily for non-specialized science teachers and is also listed in the College of Education section of this Catalog.

Special Program Requirements*

Chemistry

MASTER OF SCIENCE

Admission — Applicants should provide evidence of ability to pursue graduate study, and meet the general requirements for graduate school.

Prerequisites — The following requirements must be completed prior to admission to graduate study: two semesters of introductory chemistry, one year of organic chemistry, and one year of physical chemistry. Other courses normally included in the Bachelor of Science curriculum as described by The American Chemical Society may be assigned as required courses beyond the minimum 30 hours if it is ascertained that a deficiency exists.

Candidacy — In order to receive recommendation for admission to candidacy, the student must: have satisfactorily completed the Graduate Record Examination; maintain a 3.0 grade point average through all graduate hours; have completed all background deficiencies as indicated. Refer to the General Academic Information Section of this Catalog for complete degree completion requirements.

Language — An approved language is required. A working knowledge of a computer language may be substituted for this requirement. This requirement is met by passing CSC 174 and 300 or equivalent, with grade of "B" or better, or by writing and executing a computer program solution of a problem of significant chemical interest assigned by the Department of Chemistry.

Thesis — A thesis based upon the student's research area must be submitted.

Comprehensive — A final oral examination in defense of the thesis and related course work is required.

Chemistry Program — A minimum of 30 semester hours of graduate credit is required. The program shall include the following:

Chemistry Core (14 hours)

CHE 760 Mechanistic Chemistry	3 hours
CHE 811 Theoretical Chemistry	2 hours
CHE 824 Separation Methods	2 hours
CHE 825 Spectroscopy	2 hours
CHE 851 Structure and Reactivity	1 hour
CHE 873 Thermodynamics	2 hours
CHE 880 Seminar	2 hours

Thesis (CHE 895) 6 hours

Electives:

800-level chemistry courses related to student research	6 hours
From any graduate level course in the Sciences or Math	4 hours
Total Requirements	30 hours

Course Descriptions

CHE — CHEMISTRY

701 Chemtopics:(1-3) A. Prerequisite: Instructor approval. Topics to be chosen from current and/or specialized area of chemistry such as environmental chemistry or industrial chemistry, and will vary according to student need. Course may be taken for a maximum of six credit hours.

711 Principles of Chemistry I. (3) A. Selected concepts in chemistry in depth. Equation of state, thermodynamics and chemical equilibrium. Not available for credit if the student has taken CHE 471 and 472 or their equivalent. Credit will not be awarded for both 711 and 511.

712 Principles of Chemistry II. (3) A. Continuation of CHE 711. Chemical kinetics, electrochemistry and other selected topics. Not available for credit if the student has taken CHE 471 and 472 or their equivalent. Credit will not be awarded for both 712 and 512.

714 Chemical Literature. (1) A. Prerequisites: CHE 361; CHE 472 or instructor approval. Introduction to the use of fundamental periodicals, abstract journals, handbooks, review series, and encyclopedia of chemistry. Credit will not be awarded for both 714 and 514.

725 Instrumental Methods. (4) A. Prerequisites: CHE 362 and 472 or instructor approval. Colorimetric, spectrophotometric (including infrared), conductometric, potentiometric, polarographic, and chromatographic methods and determinations; methods of nuclear chemistry. 2 Lec/6 Lab. Credit will not be awarded for both 725 and 525.

730 Biochemistry I. (4) II. Prerequisites: CHE 362; CHE 471 or instructor approval. Chemistry, metabolism and biosynthesis of carbohydrates, proteins, and lipids; the action of vitamins, hormones, and enzymes related to cellular metabolism and body processes. 3 Lec/3 Lab. Credit will not be awarded for both 730 and 530.

731 Biochemistry II. (4) A. Prerequisite: CHE 730. Continuation of CHE 730. Topics included are nucleoproteins, energetics, biological catalysis, and functions of biologically important materials. 3 Lec/3 Lab. Credit will not be awarded for both 731 and 531.

734 Introduction to Medicinal Chemistry. (3) A. Prerequisites: One semester each in organic and biochemistry. Introductory study of medicinal agents at molecular level. Pharmacokinetics, drug metabolism, chemical structure—medicinal activity relationships, selective toxicity. Credit will not be awarded for both 734 and 534.

750 Inorganic Chemistry. (3) I. Formerly CHE 450. Prerequisite: CHE 472 or instructor approval. Modern concepts of atomic nuclei, atomic structure, and classification of elements. Completions and coordination compounds. Theories of bonding. Credit will not be awarded for both 750 and 550.

755 Inorganic Preparations. (3) II. Prerequisite: CHE 750 or instructor approval. Crystallization, distillation, furnace methods, electrolytic processes, and gas handling in synthesis of alloys, oxides, salts, coordination compounds, polyacids, and anomalous salts. 1 Lec/6 Lab. Credit will not be awarded for both 755 and 555.

760 Mechanistic Chemistry. (3) A. Prerequisites: CHE 362; CHE 472 or instructor approval. Survey of new reactions and comprehensive study of reaction mechanisms. Credit will not be awarded for both 760 and 560.

765 Qualitative Organic Analysis. (3) A. Prerequisite: CHE 362 or instructor approval. Identification of unknown organic substances

*Students must also meet the general requirements of the Graduate School.

through a systematic study of their physical and chemical properties and their chemical derivatives. 1 Lec/6 Lab. Credit will not be awarded for both 765 and 565.

770 Physical Chemistry for Biological Sciences. (4) I. Prerequisite: CHE 325 or instructor approval. States of matter, colligative properties of solutions, thermodynamics, equilibrium, electrochemistry, colloids, and reaction kinetics. 3 Lec/3 Lab. Credit will not be awarded for both 770 and 570.

785 Principles of High Polymers. (3) A. Prerequisite: CHE 362. Preparation and characterization of high polymers; monomers, condensation and addition polymerization; radical, anionic, and cationic initiation. Emphasis on microstructure of the polymer chain and its effect on macromolecular physical properties. 2 Lec/3 Lab. Credit will not be awarded for both 785 and 585.

Selected Topics in Chemistry. (1-3) A.

802 Selected Topics in Analytical Chemistry.

803 Selected Topics in Biochemistry.

805 Selected Topics in Inorganic Chemistry.

806 Selected Topics in Organic Chemistry.

807 Selected Topics in Physical Chemistry. Prerequisite: instructor approval. Topics chosen from advanced areas of interest and vary according to needs. Courses may be retaken for credit when new topics offered.

810 History of Chemistry. (3) A. Consideration of role of chemistry in history of man, developments of chemical concepts, and contributions of famous chemists. Research will include inspection of various problem-solving philosophies of chemistry.

811 Theoretical Chemistry. (2) A. Prerequisite: CHE 472 or equivalent. Introduction to quantum mechanics, application of symmetry and group theory to chemical problems.

813 Principles of Chemistry III. (4) A. Development of origin of chemistry concepts: atomic theory, chemical bonding, chemical interaction. Application of modern learning theories and psychological foundations with implications for modern physical science curricula.

824 Separation Methods. (2) A. Prerequisites: CHE 362, 471. Principles and techniques of separation methods. Chromatography ion exchange, liquid-liquid extraction, distillation, dialysis, ion exclusion, precipitation, mechanical methods, diffusion, electromigration, and flotation.

825 Spectroscopy. (2) A. Prerequisites: CHE 472, 725. Origin and interpretation of spectra resulting from interaction of electromagnetic radiation with atoms or molecules. Techniques covered will include UV-VIS NMR, IR, Raman and ESR.

845 Chemical Laboratory and Demonstration Techniques. (1-4) A. Prerequisite: six semesters of undergraduate work in chemistry or instructor approval. Techniques of constructing and demonstrating apparatus to illustrate principles of chemistry. Primarily for high school and junior college science teachers. 3-12 Lab.

851 Structure and Reactivity. (1) A. An examination of reaction mechanisms with the view of understanding the structure and reactivity of systems. Mechanisms covered will include solvent assisted substitution and conjugate base substitution reactions.

873 Chemical Thermodynamics. (2) A. Prerequisite: CHE 472, MAT 353 recommended. Examination of thermodynamic laws for both ideal and non-ideal systems. Application of thermodynamics to electrochemical and solution chemistry problems.

880 Graduate Seminar. (1) II. Presentation of significant developments in chemistry to members of the chemistry faculty and department majors. May be retaken for a maximum of two hours credit.

881 Seminar for Teachers of Chemistry. (1) A. Discussion of trends in chemistry teaching, application of research to chemistry teaching, and special problems that occur in schools. May be retaken for a maximum of two hours credit.

882 Seminar in: _____. (3) A. Prerequisite: departmental approval. Seminar in a topic selected from list maintained by Department. List will change as dictated by technological developments. May be retaken for maximum of six hours, provided topics differ.

890 Graduate Literature Program. (2) I. Extensive survey of the literature related to a specific research program.

895 Graduate Research. (1-6) I, II. Laboratory research in one of the major areas of chemistry for application to a thesis. May be retaken for a maximum of six credit hours.

DEPARTMENT OF

GEOLOGY

GARY L. KUHNHENN, Chair

The Department of Geology offers the Master of Science degree in geology. More specialized studies are available in the mining, petroleum geology, and hydrogeology options. Emphasis is placed upon solution of field problems through the use of specialties in the above areas.

The Master of Arts in Education degree with an option in earth science is offered in the College of Education with the cooperation of the Department of Geology. The regulations for the degree can be found in the College of Education section of this Catalog.

The Department of Geology cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with an option in general science. This program is primarily for non-specialized science teachers and is described in the College of Education section of this Catalog.

Special Program Requirements*

Geology

MASTER OF SCIENCE

Admission — Applicants who possess an acceptable baccalaureate degree, a minimum undergraduate grade point ratio of 2.4 overall (4.0 = A), and have presented satisfactory scores on the aptitude section of the Graduate Record Examination are eligible for admission. Further information can be found in the General Academic Information Section of this Catalog.

Prerequisite — Students who have completed an undergraduate major in geology comparable to the Bachelor of Science degree required at Eastern Kentucky University will be accepted into the program. Students from other sciences or mathematics will be admitted, but they will be required to make up deficiencies in undergraduate geology.

Candidacy — In order to receive recommendation for admission to candidacy, the student must have obtained a minimum score of 750 (verbal and quantitative scores combined) for the aptitude portion of the Graduate Record Examination; have completed all background deficiencies as indicated; and have maintained a 3.0 grade point average through all graduate hours. Six semester hours of graduate course work with the initial grade of "C" or below will result in dismissal from the departmental graduate program.

Thesis — A thesis is required of any student in the Master of Science program. The thesis is based on the student's research area selected from mineralogy/petrology, paleontology, sedimentology/stratigraphy, structural geology, engineering geology/geophysics, or hydrology/geomorphology. The student must have submitted and successfully defended a written thesis proposal prior to enrollment for this thesis credit.

Internship — A student pursuing either the mining or petroleum geology option may elect to substitute an internship for the thesis to be completed with an organization approved by the Department of Geology.

Comprehensive Examination — An oral examination in defense of the thesis or internship and related coursework is required.

*Students must also meet the general requirements of the Graduate School.

GEOLOGY PROGRAM

Geology Core (11-12 hours)

GLY 722 Igneous and Metamorphic Petrology.....	4 hours
GLY 723 Sedimentary Petrology.....	4 hours
GLY 730 Geophysics or GLY 760 Geochemistry.....	3-4 hours

Thesis or Internship (6 hours)

GLY 899 Thesis or GLY 897 Internship.....	6 hours
---	---------

Electives (12-13 hours)

Selected with prior approval of student's advisor and including at least nine hours of 800-level geology.....12-13 hours

Total Requirements..... 30 hours

Student may choose to pursue one of the Master of Science in geology program options as a part of their program elective hours. Options available are:

Mining Option (9 hours)

GLY 705 Introduction to Rock Mechanics or GLY 805 Advanced Structural Geology.....	3 hours
GLY 831 Coal Geology.....	3 hours
GLY 834 Mining and Exploration Techniques.....	3 hours

Petroleum Geology Option (9 hours)

GLY 805 Advanced Structural Geology or GLY 830 Geophysical Exploration.....	3 hours
GLY 824 Carbonate Petrology or GLY 825 Siliciclastic Petrology.....	3 hours
GLY 832 Petroleum Geology.....	3 hours

Hydrogeology Option (9 hours)

GLY 735 Hydrogeology.....	3 hours
GLY 830 Geophysical Exploration.....	3 hours
GLY 880 Seminar: Advanced Hydrogeology.....	3 hours

Course Descriptions

GLY — GEOLOGY

700 Earth Science Problems for Teachers. (1-3) A. Prerequisite: departmental approval. Designed to fit needs of individual students majoring in education (general science) who need special instruction in the earth sciences. May be retaken for a total of nine hours.

701 Physical Geology for Teachers. (3) A. Fundamental composition and structure of the earth, minerals, rocks, landform origins, and modifying agents. Designed for teachers with emphasis on laboratory techniques. Credit will not be awarded for both 701 and 501.

705 Introduction to Rock Mechanics. (3) A. Prerequisite: GLY 207 or departmental approval. Study of geological and engineering aspects of rock as applied to mining and construction. Mechanical properties of rock and in-situ measurements emphasized. 2 Lec/2 Lab. Credit will not be awarded for both 705 and 505.

713 X-ray Diffraction and Spectroscopy. (3) A. Prerequisites: GLY 209; PHY 132 or departmental approval. Principles of X-ray diffraction and fluorescence. Emphasis on mineral identification and elemental analysis. 2 Lec/2 Lab. Credit will not be awarded for both 713 and 513.

722 Igneous and Metamorphic Petrology. (4) I. Formerly GLY 622. Prerequisite: GLY 311. Origins, occurrences, and compositions of igneous and metamorphic rocks. Emphasis on petrogenetic relationships within rock suites. 3 Lec/2 Lab. Credit will not be awarded for both 722 and 522.

723 Sedimentary Petrology. (4) I. Formerly GLY 623. Prerequisite: GLY 311. Study of composition, texture, and diagenesis of sedimentary rocks. Emphasis on microscopic examination. 3 Lec/2 Lab. Credit will not be awarded for both 723 and 523.

729 Economic Geology. (3) A. Prerequisites: GLY 310, 410. Formation of mineral deposits and their distribution within the earth's crust. 2 Lec/2 Lab. Credit will not be awarded for both 729 and 529.

730 Geophysics. (3) A. Prerequisites: PHY 131, 132 or departmental approval. Fundamentals of gravity and isostasy, seismology, geomagnetism, geothermics, and geochronology. Introductory gravimetric, magnetic, electrical, and seismic prospecting techniques. Credit will not be awarded for both 730 and 530.

735 Hydrogeology. (3) A. Prerequisites: GLY 310, 410, or departmental approval. Origin, occurrence, movement, utilization and conservation of groundwater. Qualitative and quantitative presentation of geological, physical, and geochemical aspects of ground-

water hydrology. 2 Lec/2 Lab. Credit will not be awarded for both 735 and 535.

750 Historical Geology. (3) A. Formerly GLY 211. Prerequisite: senior standing or departmental approval. Synthesis of major processes and events of physical and biological history of the earth using principles and conclusions learned in major program. 2 Lec/2 Lab. Credit will not be awarded for both 750 and 550.

760 Geochemistry. (4) A. Formerly GLY 660. Prerequisites: GLY 310, CHE 112, or departmental approval. Distribution of elements in earth's crust, geologic phase equilibria, isotopes in geochronology, and major methods of geochemical analysis and exploration. 3 Lec/2 Lab. Credit will not be awarded for both 760 and 560.

780 Selected Topics. (1-3) A. Prerequisite: departmental approval. Designed to explore scientific aspects of geology. May be retaken for a total of six hours.

798 Geoscience Instrumentation. (1) A. Prerequisite: departmental approval. Short course in selected topics of geoscience instrumentation. Topic designated each time course is offered. May be retaken for total of three hours provided topic is different each time. Credit will not be awarded for both 798 and 598.

801 Historical Geology for Teachers. (3) A. Development of continents, mountain systems, and ocean basins. Evolution of the earth's animals and plants. Designed for teachers with emphasis on laboratory techniques and field studies.

805 Advanced Structural Geology. (3) A. Prerequisite: GLY 410 or departmental approval. Emphasis on plate tectonics, regional structure, and the mechanics of stress and strain.

811 Paleogeology of Invertebrates. (3) A. Prerequisite: GLY 411 or departmental approval. Relationships between paleoenvironments and fossil invertebrate communities. Emphasis on invertebrates from Paleozoic rocks. 2 Lec/2 Lab.

812 Clay Mineralogy. (4) A. Prerequisite: GLY 513 or departmental approval. Structure, origin, occurrence, and use of clay minerals. X-ray diffraction techniques and differential thermal analysis used to identify clay minerals. 2 Lec/4 Lab.

821 Sedimentology. (3) A. Prerequisite: GLY 412 or departmental approval. Study of physical, chemical, and biological processes leading to environmental analysis. 2 Lec/2 Lab.

824 Carbonate Petrology. (3) A. Prerequisite: GLY 523 or departmental approval. Microscopic examination of composition, texture, and diagenesis of carbonate rocks with emphasis on interpretation of depositional environments and diagenetic history of carbonate sediments. 2 Lec/2 Lab.

825 Siliciclastic Petrology. (3) A. Prerequisite: GLY 523 or departmental approval. Origin, texture, composition, and sedimentary structures of siliciclastic rocks with emphasis on interpretation of depositional environments and diagenetic history of siliciclastic sediments. 2 Lec/2 Lab.

830 Geophysical Exploration. (3) A. Formerly GLY 530. Prerequisite: GLY 530 or departmental approval. Principles and techniques of gravimetric, seismic, magnetic, and other geophysical methods of exploration for petroleum and economic minerals. 2 Lec/2 Lab.

831 Coal Geology. (3) A. Formerly GLY 531. Prerequisite: GLY 412 or departmental approval. Origin and distribution of coal-bearing rocks with emphasis of sedimentological and geochemical techniques used in exploration and production of coal.

832 Petroleum Geology. (3) A. Formerly GLY 532. Prerequisite: departmental approval. Origin and occurrence of oil and natural gas. Geological applications to their exploration and development. 2 Lec/2 Lab.

834 Mining and Exploration Techniques. (3) A. Prerequisite: departmental approval. Approaches to surface and deep mining with emphasis on geologic principles, exploration methods and mining techniques.

840 Micropaleontology. (3) A. Prerequisite: GLY 411 or departmental approval. Study of taxonomy and biostratigraphy of calcareous, siliceous, phosphatic, and organic walled microfossils. Emphasis on occurrence and stratigraphic usefulness. 2 Lec/2 Lab.

870 Igneous Petrology. (3) A. Prerequisite: GLY 522 or departmental approval. Advanced treatment of topics on igneous petrology. Emphasis on igneous processes, petrogenic concepts and occurrences of major igneous rock types. 2 Lec/2 Lab.

871 Metamorphic Petrology. (3) A. Prerequisite: GLY 522 or departmental approval. Topics in metamorphic petrology with emphasis on metamorphic processes, geologic environments, and regional occurrences. 2 Lec/2 Lab.

880 Seminar. (1-4) A. Prerequisite: instructor approval. Designed to meet specialized needs for instruction. May be retaken for maximum of four hours in each area listed: mineral-

ogy/petrology, paleontology, sedimentology/stratigraphy, structural/engineering geology, or hydrology/geomorphology.

897 Internship. (6) I, II, S. Prerequisite: admission to candidacy and departmental approval. Student will work for a suitable organization for minimum of one semester or summer with departmental supervision. Internship report required.

898 Special Problems in Geology. (1-6) I, II, S. Prerequisite: departmental approval. Topic determined by student and instructor. Written proposal of study required before registration. May be retaken for total of six hours.

899 Thesis. (3-6) I, II, S. Prerequisites: admission to candidacy and departmental approval. Research leading to thesis as directed by chair of thesis committee. May be retaken for a total of six hours.

DEPARTMENT OF

MATHEMATICAL SCIENCES

_____, Chair

The Department of Mathematical Sciences offers the Master of Science degree in the mathematical sciences. The student may elect courses from computer science, mathematics, or statistics to fulfill degree requirements.

The Master of Arts in Education degree with an option in mathematics is offered in the College of Education with the cooperation of the Department of Mathematical Sciences. The requirements for the degree may be found in the College of Education section of this Catalog.

Mathematical Sciences

MASTER OF SCIENCE PROGRAM OBJECTIVES

The objectives of the graduate Mathematical Sciences program are:

1. To provide a graduate program in the mathematical sciences leading to a degree which prepares students for careers in government or industry; for teaching at the college, junior college, or pre-college level; or for graduate study toward the Ph.D. degree in a mathematically-related field;
2. To include in this program courses in the areas of computer science, mathematics, and statistics and courses demonstrating the relationships among these courses; and
3. To guide the student in tailoring a program of study ideally suited to his or her undergraduate background, aptitude, and career interests.

Special Program Requirements*

Admission —

Full admission to graduate standing includes an acceptable score on the GRE and an undergraduate preparation equivalent to that of a major in one of the mathematical sciences at Eastern Kentucky University.

Applicants who do not have this preparation may be admitted on probation and given such undergraduate courses as needed to strengthen their background.

Program — A minimum of thirty semester hours of graduate level courses in the mathematical sciences is required, at least 15 hours of which must be at the 800 level. All students must complete either three of the following sequences or two of the following sequences plus six hours of thesis:

Group 1: CSC 730, 831; or CSC 833, 835

Group 2: MAT 715, 750

Group 3: MAT 740, 856

Group 4: MAT 771, 872

Group 5: MAT 800, 809

Group 6: STA 701, 775

Group 7: STA 720, 721

Admission to Candidacy — The student must be admitted to candidacy prior to successful completion of twelve hours of graduate work.

Thesis — The thesis is optional. Those students who elect to submit a thesis for partial fulfillment of the requirements of the Master of Science in mathematical sciences must prepare it according to the regulations of the Graduate School and the Department of Mathematical Sciences.

Comprehensive Examination — Each candidate, near the end of the Master's program, must stand a written and/or oral examination covering the various components of his/her program.

*Students must also meet general requirements of the Graduate School.

Course Descriptions

CSC — COMPUTER SCIENCE

707 Seminar in Computer Science: _____. (3) A. Prerequisite: Departmental approval. Topics, varying with offering, related to the use of computers. May be retaken with advisor approval, provided topics are different at each taking. Not applicable to the M.S. in the mathematical sciences. Credit will not be awarded for both 707 and 507 on same topic.

730 Concepts of Programming Systems. (3) A. Prerequisites: Programming ability and departmental permission. Use of PASCAL to illustrate good programming: structured coding, modularization, stepwise refinement, programming teams, and top-down of algorithms and data structures. Credit will not be awarded for both 730 and 530.

831 The Design and Analysis of Computer Algorithms. (3) A. Prerequisite: CSC 730 or 310. Introduction to computational complexity, data structures, applications to searching, sorting, pattern matching, graph theory.

833 Data Structure Techniques. (3) A. Prerequisite: CSC 831 or departmental approval. Introduction to basic concepts in data structures including the use of linked lists, trees, and graphs. Implementation of data structures to concepts in file organization and data-base design.

835 Architecture of Operating Systems. (3) A. Prerequisite: CSC 833 or departmental approval. Topics in operating systems dealing with architecture, resource allocation, memory management, processors, device handlers, JOB control, virtual systems.

MAT — MATHEMATICS

703 Number Theory in Elementary Education. (3) A. Prerequisite: Admission to certification program in elementary or special education. Application of standard number theory topics to elementary school mathematics. Credit will not be awarded for both 703 and 503 or 506 or 706.

704 Concepts in Geometry for Elementary Education. (3) A. Prerequisite: Admission to a certification program in elementary or special education. Standard topics in geometry with emphasis on their applications in elementary school mathematics.

705 Foundations of Mathematics. (3) Prerequisite: MAT 308. Nature of mathematical thought; logical systems; axiomatic concepts and methods; consideration of the work of Hilbert, Peano, Whitehead, Russell, and others. Credit will not be awarded for both 705 and 505.

706 Number Theory. (3) A. Prerequisite: MAT 214. Fundamental properties of integers; linear Diophantine equations; linear and quadratic congruences; famous problems of number theory. Credit will not be awarded for both 706 and 506 or 503 or 703.

709 Topics in Applied Abstract Algebra: _____. (3) A. Pre-

requisite: MAT 308 or CSC 320 or departmental permission. Applications of topics in abstract algebra. May be retaken for a maximum of nine hours provided topics are different. Credit will not be awarded for both 709 and 509 on same topic.

714 Analysis for the Secondary Teacher. (3) A. Not applicable to M.S. in the mathematical sciences. Basic concepts in analysis with applications to secondary mathematics. Real differentiation/integration. Credit will not be awarded for both 714 and 514.

715 Real Analysis. (3) A. Prerequisite: MAT 414. Further study of the concepts introduced in MAT 414; the convergence theorems, Lebesgue measure and measurable functions, the Lebesgue integral, Fourier series, allied topics. Credit will not be awarded for both 715 and 515.

735 Modern College Geometry II. (3) A. Prerequisite: MAT 334 or equivalent. The major influence of the axioms of parallelism on geometry, development from axioms and models, Euclidean geometry, absolute geometry, hyperbolic geometry, consistency of postulates. Credit will not be awarded for both 735 and 535.

740 Introductory Applied Mathematics. (3) A. Prerequisite: MAT 353. Techniques and applications of: vector analysis, matrix theory, linear and autonomous systems of differential equations, special functions, operational methods, Sturm-Liouville theory, Fourier series. Credit will not be awarded for both 740 and 540.

750 Complex Analysis. (3) A. Prerequisite: MAT 414 or departmental approval. Analytic functions and the Cauchy-Riemann equations. Linear fractional transformations and mappings of the elementary functions. Complex integration. Power series, residues and conformal mapping. Credit will not be awarded for both 750 and 550.

755 Graph Theory. (3) A. Prerequisite: MAT 308 or CSC 320. Introduction to the theory and applications of graph theory. Topics will include trees, planarity, connectivity, flows, matching and coloring. Credit will not be awarded for both 755 and 555.

771 Numerical Analysis. (3) A. Formerly CSC 571. Prerequisite: CSC 300 or equivalent. Computer arithmetic; error analysis; Lagrange, Hermite, spline interpolation; Gaussian, Newton-Cotes, Romberg integration; predictor-corrector, Runge-Kutta solution of differential equations. Credit will not be awarded for both 771 and 571.

800 Linear Algebra. (3) A. Prerequisites: MAT 308 and 214. Abstract vector spaces, linear transformations, matrix theory; eigenvalues and eigenvectors. The spectral theorem.

809 Modern Algebra. (3) A. Prerequisite: MAT 308. Study of groups, rings, fields, and modules. Category theory.

856 Advanced Applied Mathematics. (3) A. Prerequisite: MAT 740 or equivalent. Continuation of MAT 740. Topics may include: partial differential equations, conformal mapping, potential theory, optimization, calculus of variations, integral equations.

870 Seminar in Secondary Mathematics: _____. (3) A. Prerequisite: Departmental approval. Credit does not apply to the M.S. in the mathematical sciences. May be retaken for a maximum of nine hours, provided the topics are different at each taking.

872 Advanced Numerical Analysis. (3) A. Formerly CSC 672. Prerequisite: MAT 771 or equivalent. Continuation of MAT 771 with greater depth. Least squares, minimax approximation; direct & iterative solutions of linear systems; zeros, extrema by iteration; eigenvalue problems.

880 Seminar in: _____. (3) A. Prerequisite: Departmental approval. Topics covered may include advanced complex analysis, partial differential equations, advanced applied mathematics, stochastic processes, non-linear programming, computer theory. May be retaken for a maximum of nine hours, provided the topics are different at each taking.

890 Independent Study in: _____. (3) A. Prerequisites: An 800-level course and departmental approval. Independent study on a problem chosen by the student and his instructor. May be retaken for a maximum of nine hours, provided that the topics are different at each taking.

899 Thesis in _____. (1 to 6) A.

STA — STATISTICS

700 Applied Statistical Inference. (3) A. Prerequisite: Departmental approval. No credit with STA 521. Designed for students in all areas. A general background in statistical methods including normal distribution, point/interval estimation, hypothesis testing, regression, analysis of variance. Credit will not be awarded for both 700 and 500.

701 Nonparametric Statistics. (3) A. Formerly STA 371. Prerequisite: Six hours statistics or three hours and departmental approval.

Simple, efficient nonparametric methods, without normality assumptions. Tests, estimation for proportions, medians, two-sample, location/dispersion, one and two-way layout, independence, regression. Credit will not be awarded for both 701 and 501.

720 Mathematical Statistics I. (3) A. Formerly STA 470. Prerequisite: MAT 223 or departmental permission. Probability theory, random variables, discrete and continuous probability distributions for one and two variables, sampling theory for functions of a single variable, estimation theory. Credit will not be awarded for both 720 and 520.

721 Mathematical Statistics II. (3) A. Formerly STA 471. Prerequisite: STA 720, MAT 214. A continuation of STA 720. Tests of hypothesis, linear regression/correlation, multiple linear regression, analysis of variance, allied topics. Credit will not be awarded for both 721 and 521 or 500 or 700.

775 Statistical Methods. (3) A. Prerequisite: STA 700 or 701 or a course in statistical inference. Statistical methods focusing on the use of computer packages and interpretation of data. Assumptions of parametric/nonparametric tests, utilization of SPSS and/or SAS. Credit will not be awarded for both 775 and 575.

Department of

PHYSICS AND ASTRONOMY

TED M. GEORGE, Chair

The Department of Physics and Astronomy offers the Master of Science degree in physics.

The Master of Arts in Education with an option in physics is offered in the College of Education with the cooperation of the Department of Physics and Astronomy. The regulations for the degree can be found in the College of Education section of this Catalog. The Department of Physics and Astronomy cooperates with the other natural science departments and the College of Education in offering the Master of Arts in Education with option in general science. This program is primarily for non-specialized science teachers and is described in the College of Education section of this Catalog.

Special Program Requirements*

Physics

MASTER OF SCIENCE

The Master of Science program prepares students for careers in industry, further graduate work, and/or community college teaching.

Admission — Students should have an undergraduate major in physics and should have completed upper division undergraduate courses in modern physics, electricity and magnetism, and mechanics. Placement examinations will be given in these three areas during orientation week. Background deficiency in any area may require additional study without graduate credit.

Admission to Candidacy — Prior to completion of 12 semester hours of graduate course work, a graduate student must make application for admission to candidacy. To qualify for admission to candidacy, these additional requirements must be completed: (1) achievement of a satisfactory score on the aptitude portion of the Graduate Record Examination; (2) removal of all deficiencies as indicated on the Certificate of Admissions to Graduate School form and, (3) achievement of a 3.0 grade point average for all graduate course work completed. Admission to candidacy must be completed prior to enrollment in any of the last 18 semester hours of the student's program. Refer to the General Academic Information section of this Catalog for complete degree completion requirements.

Program — A minimum of 30 semester hours of graduate credit is required. Of these 30 hours, six hours may be taken in a supporting field and a maximum of six hours in research leading to a thesis. The thesis is optional with the student. A final oral examination related to course work taken and/or in defense of the thesis is required. There is no foreign language requirement. A well prepared student may be able to complete this program in 15 months.

Course Descriptions

PHY — PHYSICS

702 Physical Optics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 224. Wave motion, interference, Fraunhofer and Fresnel diffraction, electromagnetic radiation, dispersion, polarization, double refraction lasers, holography. Credit will not be awarded for both 702 and 502.

703 Thermodynamics. (3) A. Prerequisite: PHY 202. Corequisite: MAT 224. Study of temperature, thermodynamic systems, ideal gases. First and second law of thermodynamics, Carnot cycle, Kelvin temperature scale, entropy. Credit will not be awarded for both 703 and 503.

706 Physics for High School Teachers. (3) A. Prerequisites: one year of college physics and instructor approval. Topics from general and modern physics to prepare teachers to teach high school physics and give classroom demonstrations. 2 Lec/3 Lab. Credit will not be awarded for both 706 and 506.

710 Special Problems in Physics. (1-6) A. Prerequisites: PHY 202 and instructor approval. Special laboratory experiments, development of new equipment, or solution of special mathematical problems related to physics. May be retaken for a maximum of six credit hours.

720 Electricity and Magnetism. (4) A. Formerly PHY 517. Prerequisites: PHY 202; MAT 324. Electrostatics in vacuum and dielectrics, solutions by Laplace's and Poisson's equations, magnetic fields, induced EMF's, magnetic materials and Maxwell's equations. Credit will not be awarded for both 720 and 520.

758 Classical Mechanics I. (3) A. Prerequisite: PHY 202. Corequisite: MAT 353. Applications of calculus to the principles of classical mechanics. Topics include vectors, rectilinear motion in one dimension, motion in three dimensions, non-inertial reference systems, central forces, and celestial mechanics. Credit will not be awarded for both 758 and 558.

759 Classical Mechanics II. (3) A. Prerequisite: PHY 758. Continuation of PHY 758. Topics include many bodied systems, rigid bodies, Lagrangian and Hamiltonian mechanics, coupled harmonic oscillators, wave motion. Credit will not be awarded for both 759 and 559.

770 Quantum Mechanics. (3) A. Prerequisite: PHY 758. Basic principles of wave mechanics, solutions of Schrodinger wave equation for simple systems. Interpretation of solutions and application to atomic and molecular problems. Credit will not be awarded for both 770 and 570.

800 Physics for Elementary School Teachers. (1-6) A. Prerequisite: instructor approval. Topics from physics selected to aid the elementary teacher to teach physical science with confidence. Variable credit in lecture and laboratory. May be taken for a maximum of six credit hours.

801 Advanced Mathematical Physics. (3) A. Prerequisite: MAT 353. Physical applications of Fourier series; calculus of variations;

gamma, beta, and error functions; coordinate transformations, tensor analysis; function of a complex variable; series solutions to differential equations; integral transforms, partial differential equations.

806 Selected Topics in Physics for Secondary Teachers. (3) A. Prerequisite: secondary certification in physics. Study of topics in physics selected from the following fields: mechanics, thermodynamics, sound, electricity, magnetism, optics, and modern physics. Selection will depend upon the need of the student. 2 Lec/3 Lab.

808 Selected Topics in Physical Science for Secondary Teachers. (1-6) A. Restricted to Physical Science teachers not certified in physics. Study of problems in science relevant to secondary physical science. May be retaken for a maximum of six credit hours.

809 Inquiry Physics for Teachers. (3) A. For elementary teachers and physical science teachers. Topics in physics selected from the following: mechanics, heat, sound, electricity, magnetism, and optics. 2 Lec/2 Lab.

810 Physics for Teachers of Physical Science. (3) A. Topics in physics selected from the following: mechanics, heat, sound, electricity, magnetism, optics, modern physics, nuclear physics. Care will be taken not to duplicate subjects in PHY 809. 2 Lec/2 Lab.

811 Demonstration and Experiments for Physical Science Teachers. (3) A. Prerequisite: PHY 809 or 810 or instructor approval. Designed to give practical experience in selecting, preparing, and using equipment for class demonstrations and experiments. 2 Lec/2 Lab.

815 Advanced Nuclear Physics. (3) A. Prerequisite: PHY 770. General properties of the nucleus; two body scattering problems; nuclear forces; nuclear models; theory of beta decay.

820 Semiconductory Physics. (3) A. Prerequisites: PHY 759, 770. Band theory of solids; excess carriers in semi-conductors; materials technology and the measurement of bulk properties; p-n junction rectifiers and transistors; semiconductor devices.

825 Electromagnetic Waves. (3) A. Prerequisite: PHY 720. Applications of Maxwell's Equations to plane electromagnetic waves in free space and in matter; reflection and refraction, wave guides, radiation of electromagnetic waves, and electromagnetic fields of a moving charge.

840 Electronics II. (4) A. Prerequisites: MAT 353; PHY 307. Theory of solid state devices; rectifiers; amplifiers, oscillators, pulse and digital circuits. 3 Lec/3 Lab.

860 Advanced Classical Mechanics. (3) A. Prerequisite: PHY 759. LaGrange's equations; variational principles; the two body problem; rigid body mechanics; special relativity.

871 Intermediate Quantum Mechanics. (3) A. Prerequisite: PHY 770. Schrodinger wave equations; eigenfunctions and eigenvalues; energy levels; collision theory.

880 Special Topics in Physics. (1-3) A. Specially assigned theoretical or experimental work on topics not covered in other courses.

881 Selected Topics. (1-3) A. Prerequisite: instructor approval. Certain topics not normally presented that may be of interest to groups of certain students will be presented. May be retaken for maximum of three credit hours.

882 Statistical Mechanics. (3) A. Prerequisites: PHY 759, 703. Systematic derivation of thermodynamic formulas; Maxwell-Boltzmann, Bose-Einstein, and Fermi-Dirac statistics; ensemble theory; distribution functions and partition functions; fluctuations, applications to gases and solids.

890 Thesis Research. (1-6) A. Prerequisite: thesis-research advisor approval. Research in physics followed by the preparation of a thesis under the guidance of the research advisor. May be retaken for a maximum of six hours to be applied toward a degree.

College of SOCIAL AND BEHAVIORAL SCIENCES

RUSSELL F. ENZIE, Dean KENNETH R. NELSON, Associate Dean

Departments within the College of Social and Behavioral Sciences offer programs leading to the following degrees: Master of Arts, Master of Science, and Master of Public Administration.

The Departments of Geography and Planning, Government, History, and Psychology offer programs leading to the Master of Arts degree.

The Department of Psychology offers programs leading to the Master of Science degree.

The Department of Government offers a program leading to the Master of Public Administration degree. Students may select the general field of public administration or options in community development, community health administration, or court administration.

Students seeking the master's degree in geography or the Master of Public Administration may select an option in community development. This option is offered jointly by the Departments of Geography and Planning, Government, and Anthropology, Sociology, and Social Work.

The Master of Arts in Education degree with options in specific disciplines is offered in the College of Education with the cooperation of the departments in the College of Social and Behavioral Sciences. For this degree, one of the following disciplines may be selected: sociology, geography, history, political science, or psychology.

Courses offered for graduate credit by departments in the College are listed below.

GRADUATE COURSE CREDIT

All 700 level courses have undergraduate counterparts bearing the same last two digits. The 700 level courses are offered only for graduate level credit and require additional appropriate experiences for all students enrolled. Students who have previously taken the undergraduate counterpart of these courses at the 500 level will not be permitted to enroll for graduate level credit in the 700 level counterpart.

Social and Behavioral Sciences Courses

CSB — COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

700 Interdisciplinary Seminar. (3) A. In-depth consideration of problems which involve several disciplines. A different problem will be considered each time course is offered. Representatives of various disciplines will participate in instruction. May be retaken for total of 6 hours. Credit will not be awarded for both 700 and 500.

DEPARTMENT OF

ANTHROPOLOGY, SOCIOLOGY, AND SOCIAL WORK

VANCE WISENBAKER, Chair

The Department of Anthropology, Sociology, and Social Work offers graduate level courses in support of the Community Development Program offered by the Department of Geography and Planning and the Department of Government. The Master of Arts in Education degree with an option in sociology is offered in the College of Education with the cooperation of the Department of Anthropology, Sociology, and Social Work. The regulations for this degree may be found in the College of Education section of this Catalog.

Course Descriptions

ANT — ANTHROPOLOGY

790 Tutorial in Anthropology. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of 6 hours credit, provided the subject matter differs each time. Directed study in anthropology. Credit will not be awarded for both 790 and 590.

SOC — SOCIOLOGY

Social and Behavioral Sciences

720 Social Organization. (3) A. Prerequisite: instructor approval. Analysis of various types of organization in American society; internal and external processes and organizational structure. Credit will not be awarded for both 720 and 520.

761 Sociological Theory II — Contemporary Writers. (3) II. Prerequisite: SOC 460 or instructor approval or graduate standing. Current state of sociological theories; recent formulations, controversies, and trends. Credit will not be awarded for both 761 and 561.

765 Demography. (3) A. Methods of a demographic analysis with special emphasis on sources and uses of demographic data; models of population processes such as mortality, fertility, and migration. Credit will not be awarded for both 765 and 565.

785 Sociology of Small Groups. (3) A. Prerequisite: SOC 131 or instructor approval. Studies in the way people behave in small groups; emergence of leadership and coalitions; how changes in task requirements and rules influence the behavior of group members. Credit will not be awarded for both 785 and 585.

790 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and department chair prior to enrollment. May be retaken for a maximum of 6 hours credit, provided the subject matter differs each time. Directed study in sociology. Credit will not be awarded for both 790 and 590.

845 Community Development. (3) A. Cross listed with POL 845. Prerequisite: instructor approval. Examines developmental efforts on community level in the United States; relates community development to community organization and examines current efforts, especially those based on the concept of self-help, to generate and implement community development programs.

880 Survey Design and Analysis. (3) A. Prerequisite: departmental approval. Systematic exploration of survey research problems with application of general methodological principles to the operating context of social surveys.

SWK — SOCIAL WORK

790 Directed Study. (1-3) A. Prerequisite: student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment. May be retaken for a maximum of six hours credit, provided the subject matter differs each time. Directed study in social work. Credit will not be awarded for both 790 and 590.

DEPARTMENT OF

GEOGRAPHY AND PLANNING

R. L. MARIONNEAUX, Chair

The Department of Geography and Planning offers the Masters of Arts degree in geography, and options in planning, and community development. The community development option combines the special skills and expertise of the Departments of Geography and Planning, Government, and Anthropology, Sociology, and Social Work.

The Master of Arts in Education degree with an option in geography is offered in the College of Education with the cooperation of the Department of Geography and Planning. The regulations for the degree may be found in the College of Education section of this Catalog.

Special Program Requirements*

Geography

MASTER OF ARTS

Admission — Applicants who possess grade point averages of 2.75 on all undergraduate work are eligible for admission. Geographic background will be evaluated from the perspective of the undergraduate program required at Eastern Kentucky University. Provisions for conditional admission exist.

Admission to Candidacy — Satisfactory scores on the aptitude tests of the Graduate Record Examination are required. A departmental diagnostic exam covering the general field of geography or planning is conducted during the first semester in residence and any deficiencies reflected should be satisfied or incorporated into the plan of study prior to admission to candidacy for the degree. Refer to the General Academic information section of this Catalog for complete information on degree completion requirements.

*Students must also meet the general requirements of the Graduate School.

Program — The Geography program with thesis requires 30 hours which includes the following:

Geography Core	12 hours
GEO 756, 850, 851, 853	
GEO electives	9 hours
Electives	3-6 hours
Thesis	3-6 hours
Total Requirements	30 hours

The Geography program without thesis requires an additional three hours of coursework. Coursework in lieu of a thesis must be selected with the advice of the student's committee chair.

PLANNING OPTION

Planning Core	15 hours
GEO 756, 851, PLA 821, 850, 853	
Electives	9-12 hours
Applied Geography Electives	6-9 hours
Internship or Thesis	6 hours
Total Requirements	39 hours

COMMUNITY DEVELOPMENT OPTION

From M.A. in Geography Core	9 hours
GEO 756, GEO 850, PLA 853	
Community Development Option Core	12 hours
POL 875, POL 877, SOC 765, SOC 845	
Electives	9 hours
To be selected with prior approval of advisor	
Internship or Thesis	6 hours
PLA 895 or PLA 899	
Total Requirements	36 hours

Comprehensive Examination — A final written and oral examination in defense of coursework is required of all graduate students. Graduate students electing to write a thesis shall defend the thesis as part of the comprehensive examinations.

Course Descriptions

GEO — GEOGRAPHY

700 Geography: (1-9) A. Designed for graduate participants in institutes, field studies, and special topics. The specific orientation (regional, cultural, physical) will appear behind the course title. Designated semester hours which can be earned will also be specified. Credit will not be awarded for both 700 and 500.

701 Advanced Geography: (3) A. Prerequisite: departmental approval. In-depth study of physical, cultural, or economic geography themes. May be retaken for a maximum of six hours if subject matter differs each time. Credit will not be awarded for both 701 and 501.

746 Regional Geography: (3) A. Intensive study of a selected area of less than continental size offered upon demand and by an instructor who has done research in the selected region or by a visiting lecturer. May be retaken for a maximum of six hours if subject matter is different each time. Credit will not be awarded for both 736 and 546.

753 Quantitative Applications in Research. (3) A. Prerequisite: introductory statistics course. Quantitative techniques applied to geography and planning problems. Emphasis is on descriptive, inductive, bivariate, and multivariate statistical methods. Use of computer facilities is included. 2 Lec/2 Lab. Credit will not be awarded

for both 753 and 553.

755 Advanced Cartography. (3) A. Prerequisite: GEO 355 or departmental approval. Advanced techniques of cartographic presentation of data and use of aerial photographs and satellite imagery in map construction. 1 Lec/4 Lab. Credit will not be awarded for both 755 and 555.

756 Remote Sensing. (3) A. Prerequisite: departmental approval. Characteristics, uses, and interpretation of all types of remote sensing imagery, emphasizing aerial, and multispectral scanner radar, and thermal infrared imagery, including digital data processing by computer satellite imagery. Credit will not be awarded for both 756 and 556.

800 Geography: (1-9) A. A geography course designed for graduate participants in institutes, field studies, and special topics. The specific orientation will appear in parenthesis behind the course title, that is, earth science, regional, education, etc. The designated semester hours which can be earned will also be specified for a given institute.

801 Seminar in Geography: (3) A. An in-depth study of physical, cultural or economic geography. May be retaken for a maximum of six hours if subject matter differs each time.

850 Field and Research Methods in Geography: (3) A. Cross listed as PLA 850. Detailed reconnaissance field work, including classification of natural and cultural features, interview procedures, preparation of geographical reports and maps based on field data. Library facilities and research are also included.

851 Seminar in History and Philosophy of Geography and Planning. (3) A. Prerequisite: departmental approval. Discussion of the history and development of geographic thought, various schools of geography, philosophies in geography, current and future trends. Special emphasis, in the latter part of the course, will be directed toward the present thrust in applied geography, particularly the development of the processes in, and the developing trends in urban and regional planning.

853 Theory and Models in Geography. (3) A. Cross listed as PLA 853. Prerequisite: GEO 753 or equivalent course. Survey and evaluation of current theories and models of geographic and planning significance, including the preparation of research designs having practical applications.

897 Special Studies in Geography. (3) A. Cross listed as PLA 897. Prerequisite: departmental approval. Directed work in geography. Students must have topics selected and approved by the appropriate faculty member prior to enrollment.

898 Research. (3) A. Cross listed as PLA 898. Prerequisite: departmental approval. Semi-directed research on selected topics. Students must have topics selected and approved by the appropriate faculty member prior to enrollment.

899 Thesis. (3-6) A. May be retaken for a maximum of six hours.

PLA — PLANNING

821 Seminar in Planning: (3) A. Prerequisite: departmental approval. In-depth study of urban or regional planning topics, such as growth management, planning administration, and land use. May be retaken for a maximum of six hours if subject matter is different.

850 Field and Research Methods in Planning. (3) A. Cross listed as GEO 850. Detailed reconnaissance field work, including classification of natural and cultural features, interview procedures, preparation of planning reports and maps based on field data. Library facilities and research are also included.

853 Theory and Models in Planning. (3) A. Cross listed as GEO 853. Prerequisite: GEO 753 or equivalent course. Survey and evaluation of current theories and models of geographic and planning significance, including the preparation of research designs having practical applications.

895 Internship. (6) A. Student will work under departmental supervision in governmental, corporate or private enterprises which are engaged in planning. A written report must be submitted to earn credit. May not be retaken.

897 Special Studies in Planning. (3) A. Cross listed as GEO 897. Prerequisite: departmental approval. Directed work in planning. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

898 Research. (3) A. Cross listed as GEO 898. Prerequisite: departmental approval. Semi-directed research on selected planning topics. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

899 Thesis. (3-6) A. May be retaken for a total of six hours.

DEPARTMENT OF

GOVERNMENT

Political Science

Public Administration

Legal Studies

TERRY BUSSON, Chair

The Department of Government offers work leading toward the degrees of Master of Arts and Master of Public Administration.

The Master of Arts in Education degree with an option in political science is offered in the College of Education with the cooperation of the Department of Government. The regulations for the degree may be found in the College of Education section of this Catalog.

Special Program Requirements*

MASTER OF ARTS

The Master of Arts program allows students to develop advanced competence in political science and, if desired, to prepare for further advanced graduate work. The degree can also serve as preparation for junior college teaching and for advancement in positions in government, industry, and other areas of employment.

Admission — The following criteria are set for an unconditional admission: (1) students must meet the minimum standards for cumulative undergraduate grade point average and aptitude portion of the Graduate Record Examination as set by the Graduate School; (2) letters of reference from two persons qualified to evaluate potential for successful performance in a program of graduate study in political science must be provided; (3) at least 12 semester hours of political science are required for unconditional admission; and (4) a "Cumulative Value Index," score of at least 50.0. The following formula is employed in calculating the score on the "Cumulative Value Index." (Undergraduate Grade Point Average times 15) plus (the sum of the percentile scores on the GRE Aptitude Exam times .20) equals the Cumulative Value Index.

*Students must meet the general requirements of the Graduate School.

Students who meet the Graduate School minimums but do not have a Cumulative Value Index score of at least 50.0 may be admitted on the condition that they obtain a graduate cumulative grade point average of at least 3.25 in their first semester if they are full time students, i.e., enrolled for at least nine hours, or if they are part-time students, at least 3.25 by the completion of 12 hours of their graduate program as approved by their academic advisor.

PROGRAM THESIS

Political Science Core: (9 hours)

POL 800 Research Methods in Political Science...3 hours

POL 899 Thesis.....6 hours

Electives (chosen in consultation

with advisory committee).....21 hours

Total Requirements.....30 hours

NON-THESIS

Political Science Core: (6 hours)

POL 800 Research Methods in Political Science...3 hours

POL 891 Directed Research.....3 hours

Electives (chosen in consultation

with advisory committee).....24 hours

Total Requirements.....30 hours

Social and Behavioral Sciences

Admission to Candidacy — After a semester of fulltime graduate study or the completion of 12 graduate credits in the program, students must apply for admission to degree candidacy. Refer to the General Academic Information section of this Catalog for complete degree completion requirements. Students who elect the thesis must submit an acceptable thesis prospectus at the time of application for degree candidacy.

Comprehensive Examination — A comprehensive written examination is required. The examination covers the student's program of study and its relation to the discipline of political science.

Thesis — Students who elect the thesis must submit an acceptable thesis. An oral defense of the thesis is also required.

Public Administration

Robert Kline, Program Coordinator

MASTER OF PUBLIC ADMINISTRATION

The Master of Public Administration degree program is recognized by having been placed on the National Roster of programs in conformity with National Association of Schools of Public Affairs and Administration Standards.

First of its kind in Kentucky when created in 1968, the MPA program prepares qualified individuals for advanced professional careers in the public service.

Students admitted to the MPA program are not required to have an undergraduate degree in political science. The chief considerations will be the student's ability and students may select the general field of public administration or may elect options in community development, community health administration, or court administration.

Admission — The following criteria are set for an unconditional admission: (1) students must meet the minimum standards for cumulative undergraduate grade point average and the aptitude portion of the Graduate Record Examination as set by the Graduate School; (2) letters of reference from two persons qualified to evaluate potential for successful performance in the MPA program; and (3) a "Cumulative Value Index" score of at least 50.0. The following formula is employed in calculating the score on the "Cumulative Value Index." (Undergraduate Grade Point Average times 15) plus (the sum of the percentile scores on the GRE Aptitude Exam times .20) equals the Cumulative Value Index.

Students who meet the Graduate School minimums but do not have a Cumulative Value Index score of at least 50.0 may be admitted on the condition that they obtain a graduate cumulative grade point average of at least 3.25 in their first semester if they are full time students, i.e., enrolled for at least nine hours, or if they are part-time students, at least 3.25 by the completion of 12 hours of their graduate program as approved by their academic advisor. At least six hours of the first 12 hours must be in the common MPA core.

Program — The MPA Degree program requires satisfactory completion of a minimum of 39 credit hours. All students take a common program core of 18 credit hours, complete a supervised internship or applied field study of nine credit hours under employment with a public agency, and demonstrate or establish competency in accounting, statistics, and analytical research. The program core consists of courses in:

Public Administration and Public Policy,

Administrative Law,

Governmental Organization and Administrative Theory,

Public Personnel Administration,

Public Finance Administration, and

Public Program Analysis or Research Methods in Political Science.

Students with no prior experience in the public service take POL 870 for nine credit hours while students with substantial experience in the public sector take POL 871 in lieu of POL 870. Competency in accounting and statistics may be demonstrated through appropriate prior undergraduate or graduate course work or by appropriate training or experience in the public service. Students who cannot demonstrate prior competency in accounting (e.g., have achieved a grade of B or better in ACC 710 or its equivalent) and statistics (e.g., have achieved a grade of B or better in an introductory statistics course or its equivalent) will be required to develop these competencies through course work taken beyond the 39 credit hour program described above.

While observing the above requirements, students may choose to complete the general degree program or may choose from three options within the program. Curriculum requirements for the general program and options are as follows:

GENERAL DEGREE PROGRAM

MPA Core:

POL 765, 801, 875, 876, 877, and 879 or 800..... 18 hours

Internship/Applied Field Study:

POL 870 or 871 9 hours

Electives:

Selected with prior approval of student's advisor 12 hours

Total Requirements..... 39 hours

COURT ADMINISTRATION OPTION

MPA Core:

POL 765, 801, 875, 876, 877, and 879 or 800..... 18 hours

Court Administration Core:

POL 764, 864, and 865..... 9 hours

Internship/Applied Field Study:

POL 870 or 871 9 hours

Electives:

Selected with prior approval of student's advisor. 3 hours

Total Requirements..... 39 hours

COMMUNITY HEALTH ADMINISTRATION OPTION

MPA Core:

POL 765, 801, 875, 876, 877, and 879 or 800..... 18 hours

Community Health Core:

HEA 716, 755, 820, and 898..... 12 hours

Internship/Applied Field Study:

POL 870 or 871 9 hours

Total Requirements..... 39 hours

COMMUNITY DEVELOPMENT OPTION

MPA Core:

POL 765, 801, 875, 876, 877, and 879 or 800..... 18 hours

Community Development Core:

All students in this option will take

POL 845 and select with their advisor's prior approval

nine hours from the following: ECO 780, 795, GEO 801,

LAS 735, PLA 821, 853, or SOC 765 12 hours

Internship/Applied Field Study:

POL 870 or 871 9 hours

Total Requirements..... 39 hours

Admission to Candidacy — After a semester of full-time graduate study or the completion of 12 graduate credits in the program, the student must apply for admission to degree candidacy. Upon admission to candidacy students become eligible to take their written examination in the field of public administration. Refer to the General Academic Information section of this Catalog for complete degree completion requirements.

Comprehensive Examination — After the completion of all other program requirements, including the supervised internship, an oral comprehensive final examination will be held for the candidate.

Course Descriptions

POL — POLITICAL SCIENCE

712 Government and Politics of China. (3) A. Analysis of political development, organizational structure, and operation of Chinese political systems, with particular emphasis on Chinese Communism, foreign policies, and contemporary problems in China. Credit will not be awarded for both 712 and 512.

713 Politics in Japan and the Two Koreas. (3) A. Analysis of political development, organizational structures, and political systems of Japan, South Korea, and North Korea, with emphasis on their foreign policy behavior. Credit will not be awarded for both 713 and 513.

716 Policy-making and Administration in Communist Regimes. (3) A. Analysis of communist political institutions, with emphasis on decision-making and administration; relation of communist parties to other governmental institutions; leadership; interest groups; principles and problems of communist administration. Credit will not be awarded for both 716 and 516.

717 Politics and Modernization. (3) A. Comparative study of politics in contemporary African, Asian, Latin American, and Middle Eastern societies. Considers the relationship between political change and the broader social change called modernization. Credit will not be awarded for both 717 and 517.

721 Contemporary International Relations. (3) A. Systematic analysis of major contemporary theories and approaches to the study of international politics and foreign policy. Credit will not be awarded for both 721 and 521.

725 Workshop in International Affairs. (3) A. Explores major problems in international affairs. Covers various areas of the world with reference to significant factors and problems of the people. Designed primarily for secondary teachers in the social science field. Offered summer session only. Credit will not be awarded for both 725 and 525.

730 Problems in Metropolitan and Municipal Government and Politics. (3) A. Prerequisite: POL 331 recommended. Examination and comparison of intergovernmental, social, fiscal, and other economic problems and their impact upon metropolitan and municipal politics. Credit will not be awarded for both 730 and 530.

741 Politics and Education. (3) A. An examination of the way political decisions and policies are made in the field of education. Special attention is given to educational decision makers and political power at the local level. Credit will not be awarded for both 741 and 541.

757 Classical Political Thought. (3) A. Cross listed as PHI 757. Formerly POL 555. Examination of the origins of Western Political Thought. Intensive reading of Plato, Aristotle and Cicero. Credit will not be awarded for both 757 and 557.

758 Medieval, Renaissance and Reformation Political Thought. (3) A. Cross listed as PHI 758. Examination of the political theories of Augustine, Aquinas, Dante, Marsilio, Machiavelli, Luther, Calvin, and Bodin. Attention to the church-state controversy, the development of the concepts of representation, constitutionalism, and sovereignty. Credit will not be awarded for both 758 and 558.

759 Modern Political Thought. (3) A. Cross listed as PHI 759. Formerly POL 556. Examination of the development of political thought from Hobbes to Nietzsche. Credit will not be awarded for both 759 and 559.

764 Introduction to Court Administration. (3) A. Organization of the court system decision processes in the courts; judicial selection, removal, compensation, and education; court reform and court administration are the primary topics of this course. Credit will not be awarded for both 764 and 564.

765 Administrative Law. (3) A. Nature of the powers vested in administrative agencies; the problems of administration procedure; the methods and extent of judicial control over administrative action. Credit will not be awarded for both 765 and 565.

800 Research Methods in Political Science. (3) A. An introduction and an overview of theories, methods, and analyses which are used in contemporary political science and public administration. The course is designed to give students a foundation in research and analysis for graduate work.

801 Public Administration and Public Policy. (3) A. A systematic analysis and overview of the administrative, political, and policy processes and their interrelationships in the public sector.

810 Seminar in Comparative Politics. (3) A. Prerequisite: instructor approval. Theories, analytic and organizing techniques, and sources of data utilized in comparative analysis of political environments, behaviors, structures, functions, processes, and/or policies.

820 Seminar in International Relations. (3) A. Study of selected topics in international administration, international organization, international politics and foreign policy.

835 Seminar in Intergovernmental Relations. (3) A. An examination of the institutions, concepts, and problems of intergovernmental relations and the American federal system.

840 The Taft Seminar. (3) A. Open only to elementary and secondary social studies teachers. Individual applications are required and must be submitted to the seminar director by May 15. A seminar in practical politics emphasizing an understanding of the American two-party system. Presentations are made by elected officials, party leaders, and other public figures.

843 Seminar in Political Process. (3) A. Prerequisite: instructor approval. In-depth study of selected topics in American political processes. May be retaken for a maximum of six hours, provided subject matter differs each time.

845 Community Development. (3) A. Cross listed as SOC 845. Prerequisite: instructor approval. Examines developmental efforts on community level in the United States; relates community development to community organization and examines current efforts, especially those based on the concept of self-help, to generate and implement community development programs.

853 Seminar in Political Theory. (3) A. Intensive study of selected problems or writers.

863 Seminar in Public Law. (3) A. Prerequisite: instructor approval. Study in depth of selected problems in public law.

864 Seminar in Trial Court Administration. (3) A. Prerequisite: POL 764, or instructor approval. Intensive study of problems of trial court administration: delay, case flow management, jury selection and management, personnel and budget management.

865 Seminar in Court System Administration. (3) A. Intensive study of selected problems of administration in state and federal court systems. Finance and budgeting; personnel management; planning and program evaluation; intergovernmental relations; pre-trial services.

870 Public Administration Internship. (3-6-9) A. Prerequisite: graduate standing and by invitation only. Students will work under departmental supervision in an office or with an official of public agency or local government. Readings and written assignments are required. May be retaken for a total of 9 hours.

871 Applied Field Study in Public Administration. (3-6-9) A. Prerequisite: departmental approval. Directed research project in field setting by students in the M.P.A. program who have significant prior agency or local government experience. Reading and written assignments are required. May be retaken for a total of nine hours.

873 Seminar in Theory of Public Administration. (3) A. Prerequisite: Instructor approval. An intensive and advanced graduate seminar which critically examines selected theoretical considerations in the administration of public service agencies.

875 Governmental Organization and Administration Theory. (3) A. Formerly POL 575. Comparison of governmental organizations to other organizations within the society and analysis of the differences and their impact upon theories and practices of administration in public agencies.

876 Public Personnel Administration. (3) A. Formerly POL 576. Study of strategies and techniques of personnel management in the public sector and their relationship to pertinent laws, policies, and institutions, in the context of contemporary theories of organizational behavior.

877 Public Finance Administration. (3) A. Formerly POL 577. Interactions among the administrative, legal, and legislative aspects of the fiscal decision-making process at federal, state, and local levels.

879 Public Program Analysis. (3) A. Prerequisite: Three hours of undergraduate or graduate statistics. An introduction to the quantitative and non-quantitative methods of analysis related to the management and evaluation of public program strategy, effectiveness, and impact.

891 Directed Research (3-6) A. Research under the direct supervision of one or more departmental members. May be retaken for a total of six hours credit. Students must have the independent

study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

893 Special Topics. (3) A. Seminar in specialized topical area of the discipline. Topics will vary. May be retaken for a total of six hours credit, provided subject matter differs each time.

895 Independent Study. (1-3) A. Student-initiated directed study. Can include research project or readings in an area of the discipline. May be retaken for a total of six hours credit, provided subject matter differs each time. Student must have the independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

899 Thesis. (3-6) A. May be retaken for a total of six hours.

LAS — LEGAL STUDIES

735 Municipal Law (3) A. Formerly LAS 360. Prerequisite: LAS 211 or director's approval. Practical legal problems confronting municipal officials including: government and public official liability, ordinances, tax levies, bonding, zoning, soliciting, licensing, open meetings, personnel, cut-back management, elections, and other issues. Credit will not be awarded for both 735 and 535.

DEPARTMENT OF

HISTORY

_____, Chair

The Department of History offers the Master of Arts in history. The Master of Arts in Education degree with an option in history is offered in the College of Education with the cooperation of the Department of History. The regulations for the degree may be found in the College of Education section of this Catalog. Programs leading to these degrees prepare the student for careers in teaching on the college and secondary level, advanced work toward a doctorate at other institutions, and for a wide variety of public services within the United States.

The M.A. in history with and without thesis qualify the recipient for a provisional teaching certificate, provided candidate has already completed an undergraduate professional education program in history. In such a case, the provisional certificate would have to be renewed every ten years in question. A standard certificate not requiring renewal would be awarded to each M.A. in Education (secondary education-history) graduate because of the nine hours of professional education included in the curriculum.

Special Program Requirements

History

MASTER OF ARTS

Admission — Admission is determined by the Department of History in cooperation with the Graduate School. The following is required of each candidate:

Satisfactory performance on the Graduate Record Examination, including the Advanced Test in history, before or during the first summer or regular academic year the student is enrolled.

A high standard of undergraduate achievement, 2.75 undergraduate GPA (on a 4.0 scale) in history courses in addition to an overall UGPA of 2.4.

Completion of at least a satisfactory undergraduate minor in history or the equivalent.

Candidacy — Refer to the General Academic Information section of this Catalog for complete information on degree completion requirements.

THESIS

History Core: (6 hours)

HIS 800 Historiography and Criticism	3 hours
HIS 802 Philosophy of History	3 hours

Thesis

HIS 899 Thesis	6 hours
American History	9 hours
Choose from HIS 702, 707, 708, 709, 711, 712, 716, 730, 731, 739, 807, 849	
Non-American History	9 hours
Choose from HIS 700, 727, 739, 749, 752, 785, 806, 849	
Total Requirements	30 hours

Language Requirement — Students must pass a reading examination on historical literature in a modern foreign language, determined in consultation with their advisor.

Thesis — Each candidate must submit a thesis which demonstrates an appropriate level of skill in historical research and writing. The thesis shall be submitted to the student's major professor at least 30 days in advance of graduation. Acceptance of the thesis shall be decided by a special reading committee. This committee shall be composed of the major professor and two other faculty members recommended by the chair of the major department and appointed by the Dean of the Graduate School. The committee shall complete its review of the thesis at least one week prior to the final oral examination. Two unbound copies of the accepted thesis, signed by the committee, must be deposited with the Dean of the Graduate School at least two weeks before summer commencement and three weeks prior to the end of either the fall or spring semesters.

Comprehensive Examination — The program will culminate in a written comprehensive examination designed to test the student's general knowledge of history and an oral defense of the thesis. Passage of the language examination must be certified prior to these examinations.

NON-THESIS

History Core: (6 hours)

HIS 800 Historiography and Criticism	3 hours
HIS 802 Philosophy of History	3 hours
American History (same courses as in Thesis)	12 hours
Non-American History (same courses as in Thesis)	12 hours
Total Requirements	30 hours

Comprehensive Examination — Upon completion of course work, the student's knowledge of history will be tested by a comprehensive written examination. The program will culminate in an oral examination designed to test the student's mastery of graduate course work.

There is no language proficiency requirement for the Master of Arts in history without thesis.

Course Descriptions

HIS — HISTORY

700 Topics in Non-U.S. History. (3) A. Special topics beyond the scope of regularly offered courses. May be retaken, provided the subject matter differs each time. Credit will not be awarded for both 700 and 500.

702 American Revolution and the Constitution. (3) A. Prerequisite: HIS 202 or instructor approval. Colonial background of Revolution; internal and external nature of Revolutions; problems associated with Confederation; events leading to the American Constitution. Credit will not be awarded for both 702 and 502.

707 Civil War and Reconstruction. (3) A. Prerequisite: HIS 202 or instructor approval. Causes, nature, and consequences of U.S. Civil War and Reconstruction. Credit will not be awarded for both 707 and 507.

708 Early Republic, 1789-1824. (3) A. Prerequisite: HIS 202 or instructor approval. Federalists, Republicans, and the Constitution; the French Revolution; War of 1812; breakup of political parties; new political division. Credit will not be awarded for both 708 and 508.

709 Urban America. (3) A. Prerequisite: HIS 202 and 203 or instructor approval. Growth, development, and implications of the city in American History. Credit will not be awarded for both 709 and 509.

711 U.S. Rise to World Power, 1890-1928. (3) A. Prerequisite: HIS 203 or instructor approval. The Populist-Progressive response to

industrialism-imperialism; World War I and its aftermath; "Roaring Twenties." Credit will not be awarded for both 711 and 511.

712 Depression and War, 1929-1945. (3) A. Prerequisite: HIS 203 or instructor approval. The U.S. and the Great Depression; coming of World War II; U.S. participation in war. Credit will not be awarded for both 712 and 512.

716 Kentucky History. (3) A. Formerly HIS 461. Social, economic and political survey; Kentucky's role in national developments. Credit will not be awarded for both 716 and 516.

727 Europe from 1815 to 1914. (3) A. Formerly HIS 447. Congress of Vienna; revolutionary reform; liberalism; realism and nationalism; world-wide impact of Europe prior to World War I; industrialism; imperialism. Credit will not be awarded for both 727 and 527.

730 American Social and Intellectual History to 1850. (3) A. Prerequisite: HIS 202 or instructor approval. European influences; the colonial mind; revolutionary attitudes; New England's leadership; the movement of protest and reform; the rise of a native literature. Credit will not be awarded for both 730 and 530.

731 American Social and Intellectual History since 1850. (3) A. Prerequisite: HIS 203 or instructor approval. Civil war; Protestantism and capitalism; Social Darwinism; literature of naturalism and realism; the 20th century mind. Credit will not be awarded for both 731 and 531.

739 Oral History. (3) A. Prerequisite: HIS 202 and 203 or instructor approval. Oral history as an alternative form of historical research; equipment; interviewing techniques; indexing and filing; practical experience with Oral History Center. Credit does not apply to a major or minor in history. Credit will not be awarded for both 739 and 539.

749 Tudor-Stuart England, 1485-1688. (3) A. Prerequisite: HIS 345 or 346 or instructor approval. Resurgence of the monarchy; Protestant Reformation; rise of Parliament; Anglicanism vs. Puritanism; Glorious Revolution. Credit will not be awarded for both 749 and 549.

752 Georgian-Victorian England, 1714-1901. (3) A. Prerequisite: HIS 346 or instructor approval. Growth of parliamentary government; expansion of British Empire; changing role of the Crown; the Industrial Revolution. Credit will not be awarded for both 752 and 552.

785 History of Brazil. (3) A. Prerequisite: GSS 246, 247, or instructor approval. Brazil's history from 1500 to the present; emphasis on developments since 1930. Credit will not be awarded for both 785 and 585.

800 Historiography and Criticism. (3) A. A seminar in the history and theory of historical writing and fundamental techniques of the historian.

802 Philosophy of History. (3) A. Techniques of the social sciences and the humanities used to solve problems in history; how historians present the past, the present, and the future; the nature of historical explanation.

806 Problems in Interpreting World History. (3) A. Seminar on selected controversial developments in world history. May be retaken, provided the subject matter differs each time.

807 Problems in Interpreting American History. (3) A. Seminar on selected controversial developments in American history. May be retaken, provided the subject matter differs each time.

849 Reading and Research. (3) A. Independent study in a specific field. Student must have the Independent study proposal form approved by faculty supervisor and departmental chair prior to enrollment.

899 Thesis. (3) A. May be retaken for a maximum of six hours.

DEPARTMENT OF

PSYCHOLOGY

ROBERT M. ADAMS, Chair

The Department of Psychology offers the Master of Science degree in clinical or school psychology, and the Master of Arts degree in general psychology. The department also cooperates with the College of Education in offering course work for the Master of Arts in Education with an option in psychology. Requirements for this degree may be found in the College of Education section of this Catalog.

Special Program Requirements*

Eastern Kentucky University

Psychology

MASTER OF SCIENCE

Candidates must satisfy the following special requirements:

Admission — A minimum of five undergraduate courses in psychology: general psychology, statistics, and experimental psychology are required, and two other courses acceptable to the departmental admissions committee.

A minimum overall undergraduate grade point average of 2.4 is a Graduate School requirement. Admissions are competitive and limited to available space. Meeting the minimum requirement does not, therefore, guarantee admission. Candidates must arrange for submission of three letters of recommendation, two related to the undergraduate major and one from elsewhere (with at least one from psychology).

Satisfactory performance on the aptitude sections of the Graduate Record Examination is required prior to admission.

Applications should be received by March 15. Notification regarding admission usually will be made in April. Students applying later may be accepted as space is available.

Admission to Candidacy — Students in the clinical and school psychology programs will be evaluated for candidacy at the end of their second semester. Candidacy evaluations are scheduled by the departmental faculty during December and April. Performance at or above the minimum level of academic achievement does not guarantee a student's admission to candidacy. Manifestation of satisfactory personal, professional and social adjustment are factors which enter into the department faculty's evaluation for the graduate degree in psychology. Refer to the General Academic information section of this catalog for complete degree completion requirements.

*Students must also meet the general requirements of the Graduate School.

Comprehensive Examination — Candidates for the degree will take written and oral examinations in the area of study in which they seek the master's degree.

Internship — Students in both the clinical psychology and the school psychology programs must perform satisfactorily in PSY 899 or PSY 898 in partial fulfillment of requirements for the degree.

Clinical Psychology Program — Requirements for the degree are a minimum of 60 graduate hours including 10 credit hours for the 16 week internship. Advanced practicum and internship placements should reflect the selected clinical emphasis.

Research Courses:

PSY 820, 862.....6 hours

Theory Courses:

PSY 822, 841, 853, 880, 869, and
either 701 or 829.....18 hours

Techniques Courses:

PSY 824, 825, 850, 860, 870.....14 hours

Experiential Courses:

PSY 826, 843 (8 hours), 846, 899.....22 hours

Total Requirements.....60 hours

The first year graduate students in the clinical program will be expected to participate in a therapy group during the fall and spring terms. The group will meet once each week for 10 weeks each term for a total of 20 meetings. The group will be led by a licensed psychologist from off campus, a person with whom the students will be expected to have no other regular contact.

School Psychology Program — Requirements for the degree are a minimum of 70 graduate credit hours, including 10 credit hours for the one semester internship. Advanced

practicum and internship placements should reflect the selected emphasis.

Psychological Foundations: (three of the following)

PSY 701, 802, 822, 853, 880.....9 hours

Educational Foundations:

(one from each of the following groups)

EAD 800 or SED 815; SED 811 or ELE 810 or ESE 812; ELE 868 or ELE 873 or ELE 875 or ESE 774.....9 hours

Research, Evaluation and Statistics:

PSY 820, 862, EPY 816.....9 hours

Psychoeducational Diagnosis and Intervention:

PSY 824, 825, 829, 846 or 850; SED 803.....15 hours

Consultation and Preventive Mental Health:

PSY 865, 869.....6 hours

Professional Identity and Ethical and Legal

Responsibility:

PSY 826, 848.....4 hours

Practicum and Internship:

PSY 843 (8 hours), 889.....18 hours

Total Requirements.....70 hours

Psychology

CERTIFICATION PROGRAM IN SCHOOL PSYCHOLOGY

This non-degree program leads to qualifying the individual to meet Kentucky certification standards for school psychology. The program is designed for students who have already earned a master's degree in a related discipline. Examples of related areas are general psychology, clinical psychology, guidance and counseling, special education, and psychometry. The program of study is individually designed for each student, based on previous graduate coursework, in order to meet the requirements of the specified school psychology content areas.

Admission requirements are the same as those for the Master of Science program in school psychology. Psychology courses taken as part of a previous graduate program may be substituted for undergraduate courses in psychology. Courses with other than a psychology prefix may be allowed to satisfy the psychology background requirement only after review by the department's Graduate Admissions Committee. Inquiries should be directed to the department chair or School Psychology Program Coordinator.

Psychology

MASTER OF ARTS

Candidates must satisfy the following special requirements:

For Admission — A minimum of five undergraduate courses in psychology: general psychology, statistics, and experimental psychology are required, and two other courses acceptable to the department admissions committee.

A minimum overall undergraduate grade point average of 2.4 is a Graduate School requirement. Meeting the minimum requirement does not guarantee admission.

Candidates must arrange for submission of three letters of recommendation, two related to the undergraduate major and one from elsewhere (with at least one from psychology).

Satisfactory performance on the aptitude sections of the Graduate Record Examination is required prior to admission.

Applications should be received by March 15. Notification regarding admissions usually will be made in April. Stu-

dents applying later may be accepted as space is available.

Admission to Candidacy — Students pursuing the Master of Arts degree will be evaluated for admission to candidacy at the end of their first semester of study. Refer to the General Academic Information section of this Catalog for complete degree completion requirements.

Comprehensive Examination — Candidates for the degree will take an oral examination in the area of study in which they seek the master's degree.

General Psychology Program — Requirements for the degree are a minimum of 30 graduate credit hours, including six credit hours for thesis research. One or more courses outside psychology may be elected in an approved academic discipline, usually the student's undergraduate major or minor other than psychology.

Core Courses:

Required:

PSY 820, 826.....4 hours

Electives:

PSY 701, 797, 802, 822, 829, 841, 853, 862, 869, 880, 887, or others approved by the department..... 20 hours

One or more courses up to 6 credit hours outside psychology may be elected in an approved academic discipline.

Thesis:

PSY 8906 hours

Total Requirements..... 30 hours

Course Descriptions

PSY — PSYCHOLOGY

701 Theories of Learning. (3) A. Prerequisite: PSY 291 or instructor approval. In-depth study of learning theories. Emphasis on contemporary developments and current research. Credit will not be awarded for both 701 and 501.

797 Advanced Topics in Psychology. (3) A. Prerequisite: PSY 201 or 202 and instructor approval. Selected topics for advanced study. Variable topics across semester in terms of student interest and available faculty. May be retaken provided the subject matter differs each time. Credit will not be awarded for both 797 and 597.

802 Seminar in Developmental Psychology. (3) A. Prerequisite: departmental approval. Theory and research in normal developmental sequences, processes, and variations, with emphasis on childhood and adolescence.

820 Statistics and Research Design. (3) A. Prerequisite: PSY 291 and 301 or equivalent. Principles and techniques of scientific observation control, and analysis specifically oriented to research in psychology.

822 Personality Development. (3) A. Prerequisite: departmental approval. Theories and research concerning the structure, function, and development of the normal personality.

824 Intellectual Assessment. (3) A. Prerequisite: departmental approval. Techniques, principles and problems in the administration, scoring, interpretation, and reporting of both individual tests of intelligence for children and adults.

825 Personality Assessment. (3) A. Prerequisite: departmental approval. Techniques, principles, and problems of evaluating personality via interviews, objective and projective testing. Emphasis on integration of results.

826 Professional Concerns. (1) A. Prerequisite: instructor approval. Consideration of ethical and related problems of psychologists.

829 Analysis of Behavior. (3) A. Prerequisite: departmental approval. Principles of the analysis of psychological phenomena from the behavioral viewpoint. Emphasis on analysis of complex human behavior.

841 Seminar in Abnormal Behavior. (3) A. Prerequisite: PSY 622 or departmental approval. Etiology and description of various aspects of psychopathology and ineffective behavior.

843 Practicum. (4) A. Prerequisite: departmental approval. Supervised practice in applied settings. Selective participation with an assigned agency varies with the student program, with level of preparation in course work and any previous supervised field experience. Class meetings as arranged and two full work days for 16 weeks in the assigned agency. Must be retaken for a total of eight credit hours. Graded Pass-Fail.

846 Advanced Behavior Therapy. (3) A. Prerequisite: departmental approval. Theory and methods in clinical practice of behavior therapy. Supervised practice in the use of specialized behavior change strategies.

848 Introduction to School Psychology. (3) A. Prerequisite: departmental approval. Theory, observation, and supervised practice in the role of the school psychologist. Includes systems analysis, the consultation process, and interprofessional relationships.

850 Psychotherapy and Behavior Change I. (3) A. Prerequisite: PSY 841 or departmental approval. A didactic and experiential introduction to the theories and techniques facilitative of personal growth and behavior change.

853 Psychophysiology. (3) A. Prerequisite: departmental approval. A survey of the principles, research and methodology of psychophysiology, including consideration of the autonomic correlates of emotion and arousal, biofeedback, psychosomatic diseases, and psychophysiological correlates of psychopathology.

860 Psychotherapy and Behavior Change II. (3) A. Prerequisite: PSY 850 or departmental approval. The in-depth study of techniques selected from those presented in PSY 850. Emphasis will be placed on developing proficiency in such skills and techniques.

862 Research in Professional Psychology. (3) A. Prerequisite: departmental approval. Evaluation of research designs and their implementation in professional settings. Emphasis is on preparing the student to be a research consumer.

865 Psychological Consultation. (3) A. Prerequisite: departmental approval. Exploration of the theoretical and empirical underpinnings of psychological consultation processes, and supervised practice in the provision of indirect psychological services.

869 Community Psychology. (3) A. Prerequisite: departmental approval. An overview of the theory and methods of consultation to mental health agencies in community settings.

870 Seminar in Special Intervention Procedures. (2) A. Prerequisite: instructor approval. Examination of several current psychological intervention procedures with applications of these procedures designed to meet student interest.

880 Child Clinical Psychology. (3) A. Prerequisite: departmental approval. Examination of the major types of intellectual, emotional and behavioral problems displayed by children. Includes empirical studies on assessment, etiology, and treatment of such problems.

887 Independent Work in Psychology. (1-3) A. Prerequisite: approval of independent study proposal by faculty supervisor and departmental chair prior to enrollment. Student responsible for conceptualization and investigation of research problem and drawing formal conclusions. May be retaken for a maximum of six hours, provided a different problem is studied each time.

890 Thesis Research. (1-6) A. Prerequisite: departmental approval. Experimental investigation of a selected topic, including preparation of a formal report. May be retaken for a maximum of six credit hours.

898 Internship in School Psychology. (10) A. Prerequisite: advisor approval. Intensive supervised experience in approved educational setting. Graded Pass-Fail.

899 Internship in Clinical Psychology. (10) A. Prerequisite: advisor approval. Intensive supervised experience in approved clinical setting. Graded Pass-Fail.

GRADUATE SCHOOL ADMINISTRATION AND FACULTY

Administration

J.C. POWELL, A.B., M.Ed., Ed.D. President
 ROBERT R. MARTIN, A.B., M.A.,
 Ed.D., L.L.D. President Emeritus
 CHARLES D. WHITLOCK, A.B., M.A.,
 Ed.D. Executive Assistant
 JOHN D. ROWLETT, B.S., M.S.,
 Ed.D. Vice President for Academic
 Affairs and Research and Dean of Faculties
 JOSEPH R. SCHWENDEMAN, B.S., M.S.,
 Ph.D. Associate Vice President for
 Planning and Development
 CHARLES H. GIBSON, JR., B.S., M.A., Ph.D. Dean,
 Graduate School
 KENNETH S. HANSSON, B.S., M.Ed., Ph.D. Dean,
 College of Applied Arts and Technology
 JOHN M. LONG, A.B., M.A., Ph.D. Dean, College of
 Arts and Humanities
 JAMES K. LIBBEY, A.B., B.S., M.A., Ph.D. Associate
 Dean, College of Arts and Humanities

..... Dean, College of Business
 Associate Dean, College of Business
 DIXON A. BARR, B.S., M.A., Ed.D. Dean,
 College of Education
 J. LINWARD DOAK, B.A., M.A., Ed.D. Associate Dean,
 College of Education
 RUSSELL L. BOGUE, B.A., M.E., Ed.D. Dean,
 College of Health, Physical Education,
 Recreation and Athletics
 TRUETT A. RICKS, B.B.A., M.B.A., Ph.D. Dean,
 College of Law Enforcement
 DONALD L. BATCH, B.S., M.S., Ph.D. Dean,
 College of Natural and Mathematical Sciences
 WALLACE C. DIXON, A.B., A.M., Ph.D. .. Associate Dean,
 College of Natural and Mathematical Sciences
 RUSSELL F. ENZIE, B.S., M.S., Ph.D. Dean,
 College of Social and Behavioral Sciences
 KENNETH R. NELSON, A.B., M.A., Ph.D. Associate
 Dean, College of Social and Behavioral Sciences

Faculty

Name	Department
Robert M. Adams, B.A., M.A., Ph.D.	Psychology
Keith Algier, B.A., M.A., Ph.D.	History
John B. Anglin, B.S., M.S., M.A.T., Ed.D.	Administration, Counseling & Educational Studies
Robert H. Barker, B.A., Ph.D.	Curriculum & Instruction
Donald L. Batch, B.S., M.S., Ph.D.	Biological Sciences
Robert J. Baugh, B.S., M.S., H.S.D.	Health Education
Thomas B. Beardsley, B.S., M.Ed., Ed.D.	Administration, Counseling & Educational Studies
Charles A. Beeler, B.M., M.A., Ph.D.	Music
Victor I. Bendall, B.S., M.S., Ph.D.	Chemistry
Alan R. Bettler, A.B., M.A., Ph.D.	Foreign Languages
Paul D. Blanchard, B.A., M.A., Ph.D.	Government
Paul E. Bland, B.A., M.A., Ph.D.	Mathematical Sciences
Harold R. Blythe, B.A., M.A., Ph.D.	English
Branley A. Branson, A.B., B.S., M.S., Ph.D. ..	Biological Sciences
Virgil L. Brewer, B.S., M.B.A., D.B.A.	Finance & Business Systems
Michael H. Bright, A.B., Ph.D.	English
Harry N. Brown, A.B., M.A., Ph.D.	English
Robert E. Burkhart, B.B.A., M.A., Ph.D.	English
Herman S. Bush, A.B., M.A., H.S. Dir., H.S.D. ..	Health Education
Terry Busson, B.A., M.A., Ph.D.	Government
Robert L. Byrne, B.S. in Ed., M.Ed., Ed.D.	Curriculum & Instruction
Donald L. Calitri, B.S., M.A., Ed.D.	Health Education
Gerald F. Calkin, A.B., M.S., M.A., Ph.D.	Physical Education
Christine Calvert, B.S., M.S., Ph.D.	Home Economics
Agnes L. Chrietberg, B.S., M.S., Ph.D.	Physical Education
Terry C. Cox, B.S., M.S., Ph.D.	Police Administration
Clyde O. Craft, B.S., M.A., Ed.D.	Industrial Education & Technology
Effie B. Creamer, B.S., M.S., Ph.D.	Home Economics
Glynn N. Creamer, B.A., M.Ed., Ed.D.	Curriculum & Instruction
Robert O. Creek, B.S., M.S., Ph.D.	Biological Sciences
Judith A. Cunningham, A.B., M.A., Ed.D.	Curriculum & Instruction
Paul V. Cupp, Jr., B.S., M.S., Ph.D.	Biological Sciences

James E. Davidson, B.S., M.S., M.A.T., Ed.D.	Curriculum & Instruction
Ronald E. Dean, B.A., M.A., Ph.D.	Government
John M. Deck, B.S., M.S., P.E. Dir., P.E.D.	Physical Education
J. Linward Doak, A.B., M.A., Ed.D.	Administration, Counseling & Educational Studies
Steven D. Falkenberg, B.A., M.A., Ph.D.	Psychology
Virginia Falkenberg, B.S., M.S., Ph.D.	Psychology
Stephen W. Fardo, B.S., M.A., Ed.D.	Industrial Education & Technology
William W. Farrar, B.S., M.S., Ph.D.	Biological Sciences
Jerry S. Faughn, B.S., M.S., Ph.D.	Physics & Astronomy
R. Eugene Forderhase, A.B., A.M., Ph.D.	History
James W. Fox, B.A., M.S., Ed.D., Ph.D.	Correctional Services
Elba B. Gaffin, B.A., M.A., Ed.D.	Curriculum & Instruction
Larry K. Gaines, B.S., M.S., Ph.D.	Police Administration
Hugh R. Gilliland, B.S., M.S., Ed.D.	Industrial Education & Technology
Richard Givan, A.B., J.D.	Police Administration
Lloyd J. Graybar, A.B., M.A., Ph.D.	History
Robert N. Grise, A.B., M.A., Ed.D.	Administration, Counseling & Educational Studies
Kenneth S. Hansson, B.S., M.Ed., Ph.D.	Industrial Education & Technology
John P. Harley, B.A., M.A., Ph.D.	Biological Sciences
Nancy E. Harp, B.A., M.R.E., Ph.D.	Curriculum & Instruction
Dominick J. Hart, B.S., Ph.D.	English
Klaus H. Heberle, B.A., M.A., Ph.D.	Government
Charles T. Helfrich, B.A., M.S.S., Ph.D.	Geology
Roberta C. Hendricks, B.S., M.A., Ed.D.	Curriculum & Instruction
Donald G. Henrickson, B. Mus., M.M., D.M.A.	Music
H. Richard Hensel, B.M., M.M., D.M.A.	Music
C. Douglas Hindman, B.A., M.S., Ph.D.	Psychology
Emogene M. Hogg, B.S., M.A., Ed.D.	Business Education & Office Administration
Harold Z. Holmes, Jr., B.S., M.S., Ph.D.	Physical Education
Elizabeth R. Horn, B.A., M.A., Ph.D.	Correctional Services

Bonnie B. Hume, A.B., M.A., Ed.D. Administration Counseling & Educational Studies
 Karen Janssen, B.A., M.S., Ed.D. Special Education
 John D. Jenkins, B.S., M.A., Ed.D. Industrial Education & Technology
 James M. L. Karns, B.S., M.A., Ph.D. Economics
 Roy C. Kepferle, B.A., M.S., Ph.D. Geology
 Amy C. King, B.S., M.A., Ph.D. Mathematical Sciences
 Milton S. King, B.B.A., M.S., D.B.A. Business Administration
 Dorothy L. Kirkpatrick, B.S., M.S., Ed.D. Curriculum & Instruction
 Robert L. Kline, B.S., M.A., Ph.D. Government
 Timothy J. Kubiak, B.A., M.A., Ph.D. Geography & Planning
 Gary L. Kuhnhen, B.S., M.S., Ph.D. Geology
 Tae-Hwan Kwak, B.A., M.A., Ph.D. Government
 Christopher E. Laird, B.S., M.S., Ph.D. Physics & Astronomy
 Samuel S. Leung, B.S., M.S., Ph.D. Geology
 Jerome H. LeVan, B.S., M.A., Ph.D. Mathematical Sciences
 Engming Lin, B.S., M.S., Ph.D. Finance & Business Systems
 Jack A. Luy, B.S., M.S., Ed.D. Industrial Education & Technology
 James C. McChesney, B.S., M.A., Dir.R., Re.D. Recreation & Park Administration
 William A. McKenney, Jr., A.B., M.A., Ph.D. Administration, Counseling & Educational Studies
 David Norris MacKinnon, A.B., M.A., Ph.D. Foreign Languages
 David N. Mardon, A.B., Ph.D. Biological Sciences
 Ronald L. Marionneaux, B.A., M.A., Ph.D. Geography & Planning
 William H. Martin, B.S., M.S., Ph.D. Biological Sciences
 Roy S. Meckler, B.S., M.A., Ph.D. Special Education
 John L. Meisenheimer, B.A., Ph.D. Chemistry
 Robert James Miller, B.S., M.S.T., Ph.D. Curriculum & Instruction
 Donald B. Mills, B.S., M.A., M.A., Ed.D. Administration, Counseling & Educational Studies
 Amiya K. Mohanty, B.A., M.A., D.S.S.M., Ph.D. Anthropology, Sociology & Social Work
 William A. Morris, B.A., M.A., Ed.D. Curriculum & Instruction
 William R. Morrow, B.S., M.S., Ph.D. Economics
 Paul C. Motley, B.S., M.A., Ed.S., Ed.D. Physical Education
 John Walter Nelson, B.A., M.A., Ph.D. English
 Robert L. Ogle, B.S., M.S., Ed.D. Industrial Education & Technology
 Raymond B. Otero, B.S., M.S., Ph.D. Biological Sciences
 Alfred L. Patrick, B.S., M.Ed., Ed.D. Business Education & Office Administration
 Janet Patton, B.A., Ph.D. Government
 Nancy D. Peel, B.S., M.A., Ed.D. Curriculum & Instruction
 L. Crocker Peoples, B.S., Ph.D. Psychology
 Geraldine J. Polvino, B.S., M.A., Ph.D. Physical Education
 Howard B. Powell, B.S., M.A., Ph.D. Chemistry
 Roger L. Prewitt, B.S., M.A., Ed.D. Industrial Education & Technology
 Dennis E. Quillen, B.S., M.S., Ph.D. Geography & Planning
 Glenn W. Rainey, Jr., B.A., M.A., Ph.D. Government
 Imogene Ramsey, B.S., M.A., Ed.D. Curriculum & Instruction

Thomas E. Reed, B.A., B.D., M.A., Ph.D. Correctional Services
 Joan Reeder, B.S., Ph.D. Chemistry
 Charles H. Reedy, A.B., M.A., Ed.D. Correctional Services
 Peter P. Remaley, B.S., M.A., D.A. English
 Richard A. Rink, B.S. in Elec. Engr., M.S., Ph.D. Mathematical Sciences
 Gary Ritchison, B.A., M.A., Ph.D. Biological Sciences
 George W. Robinson, B.S., M.S., Ph.D. History
 Darnell Salyer, B.S., Ph.D. Chemistry
 William Schulz, B.A., M.A., Ph.D. Chemistry
 Guenter Schuster, B.S., M.S., Ph.D. Biological Sciences
 Francesco G. Scorsone, B.A., Ph.D. Mathematical Sciences
 Maria G. Scorsone, A.B., Ph.D. Foreign Languages
 Larry C. Sexton, B.S., M.A., Ed.D. Administration, Counseling & Educational Studies
 Donald Shadoan, B.S., M.S., Ph.D. Economics
 Robert R. Sharp, B.S., Ph.D. Economics
 Richard J. Shuntich, B.A., M.A., Ph.D. Psychology
 Carol K. Sigelman, B.A., M.A., Ph.D. Psychology
 Harry M. Smiley, B.S., M.S., Ph.D. Chemistry
 Alan D. Smith, B.S., B.A.Ed., B.B.A., M.S. Tech. Ed., M.S., M.S. Eng., M.S. Min. Eng., Ph.D. Business Administration
 David C. Sousa, B.S., Ph.D. Physics & Astronomy
 Jacqueline Spurlock, B.A., M.A., Ph.D. Foreign Languages
 Peggy Stanaland, B.A., M.A., P.E.D. Physical Education
 Sheryl J. Stephan, B.S., M.A., Re.D. Recreation & Park Administration
 Betty J. Stoess, A.B., M.A., Ph.D. Curriculum & Instruction
 James C. Stull, B.S.Ed., M.S., Ph.D. Administration, Counseling & Educational Studies
 Qaisar Sultana, B.A., M.A., M.A., Ph.D. Special Education
 Jean C. Surplus, B.M., M.A., Ed.D. Curriculum & Instruction
 Robert W. Surplus, B.A., M.A., Ed.D. Music
 G. William Sutton, A.B., M.A., Ph.D. English
 Charles A. Sweet, Jr., A.B., M.A., Ph.D. English
 Morris D. Taylor, B.S., M.S., Ph.D. Chemistry
 William R. Thames, B.A., M.A., Ed.D. Curriculum & Instruction
 Howard A. Thompson, B.B.A., M.B.A., Ph.D. Business Administration
 Kelly Thompson, B.S., M.A., Ed.D. Curriculum & Instruction
 Marvin P. Thompson, B.S., M.S., Ph.D. Biological Sciences
 Merita L. Thompson, B.S., M.A., Ed.D. Health Education
 Billy G. Tillet, B.S., M.S., Ed.D. Security & Loss Prevention
 Kenneth N. Timm, B.A., M.A., D.M. Music
 Roy B. VanArsdale, B.A., M.S., Ph.D. Geology
 Richard G. Vance, B.A., M.A., Ph.D. Government
 Wilma J. Walker, B.A., M.A., Ph.D. Geography & Planning
 William H. Watkins, B.S., M.S., Ph.D. Psychology
 Edith L. Williams, B.A., M.A., Ph.D. English
 John C. Williams, B.S., M.S., Ph.D. Biological Sciences
 Susan C. Willis, B.S., M.A., Ph.D. Home Economics
 Margo Wilson, B.S., M.A., Ph.D. Special Education
 Vance Wisenbaker, Jr., B.A., M.S., Ph.D. Anthropology, Sociology & Social Work
 Bruce I. Wolford, B.S., M.A., Ph.D. Correctional Services

Program Directory

Terminus

Program	Code
Administration, School	7,9
Elementary Principalship	9
School Business Administration	9
Secondary Principalship	9
Superintendency	9
Supervision	7,9
Art	2,9
Biological Sciences	2,5,9
Ecology	5
Business Administration	3
Business Education	2,9
Chemistry	2,5,9
Community Nutrition	5
Counseling	
Elementary	2,7,9
Industrial & Community Services	1
Pupil Personnel	9
Rehabilitation	1
Secondary	2,7,9
Student Personnel	1,7
Criminal Justice	5
Elementary Education	2,7,9
Early Childhood	2,9
Reading	2,9
Gifted/Talented	2,9
English	1,2,9
French	2,9
Geography	1,2,9
Hydrogeology	5
Planning	1
Community Development	1
Geology	5
Mining	5
Petroleum	5
Health Education	2,9
Allied Health Science	2
School Health Education	2,9
History	1,2,9

Terminus

Program	Code
Home Economics	2,9
Industrial Education	2,5,8,9
Industrial Technology	5
Library Science	2,9
Mathematical Sciences	2,5,9
Music	2,4,9
Physical Education	2,5,7,9
Sports Administration	5
Physics	2,5,9
Political Science	1,2,9
Psychology	5
Clinical	5
General	1
School	5
Public Administration	6
Court Administration	6
Community Health Administration	6
Community Development	6
Recreation	5
Secondary Education	2,9
Earth Science	2,9
General Science	2,9
Gifted/Talented	2,9
Reading	2,9
Sociology	2,9
Spanish	2,9
Special Education	2,7,9

TERMINUS CODE

1 = M.A.	4 = M.M.E, M.M.	7 = Sp. in Ed.
2 = M.A. in Ed.	5 = M.S.	8 = Sp. in Tech.
3 = M.B.A.	6 = M.P.A.	9 = Certification

*Certification as used above may refer to some three classes of programs:

- 1) a fifth year non-degree program for teachers
- 2) a sixth year non-degree program — (both 1) and 2) have salary implications in the state ranking system.)
- 3) special certificate programs less than one year in length. For general information on fifth and sixth year programs, as well as on professional education requirements, see the College of Education section of the Graduate Catalog. Curriculum requirements in the disciplines are outlined in the department sections. Students are responsible for knowing and for meeting the general requirements of the Graduate School as well as regulations specific to the discipline.

Index

Academic Load	21	Introduction, The University	7
Accounting	37	Joint Doctoral Program, Education	43
Administration, Counseling, and Educational Studies	44	Joint Doctoral Programs	23
Admissions, Graduate	19	Law Enforcement, College of	61
Admissions, Undergraduate	20	Library Science	51
Agriculture	25	Living Accommodations	12
Alumni Association	15	Loans	13
Anthropology, Sociology, and Social Work	73	M.A. in Education	40
Applied Arts & Technology, College of	25	Management	38
Art	31	Marketing	38
Arts & Humanities, College of	31	Married Student Housing	12
Biological Sciences	64	Mass Communications	30
Business Administration	38	Master's Degrees	19
Business, College of	36	Mathematical Sciences	70
Business Education and Office Administration	40	Memberships & Accreditations	2
Candidacy, Admissions	22	Music	34
Career Development and Placement	15	Music Education	52
Catalog Applicable	23	Natural & Mathematical Sciences, College of	63
Change of Schedule	21	Nutrition, Foods, & Food Administration	27
Chemistry	67	Office Administration	40
Child & Family Studies	26	Ornamental Horticulture	25
Communication Disorders	55	Philosophy and Religion	35
Community Nutrition	25	Physical Education	58
Comprehensive Examinations	22	Physical Education, Specialist in Education	53
Computer Information Systems	38	Physics and Astronomy	71
Computer Science	70	Planning	73
Counseling Center	13	Political Science	75
Credits, Transfer of	21	Portuguese	33
Criminal Justice	61	Program Directory	83
Curriculum and Instruction	49	Psychology	79
Degrees Offered	19	Public Administration	75
Economics	39	Pupil Personnel Certificate	47
Education, College of	40	Rank I Certification	42
Educational Administration	44	Rank II Certification	41
Educational Studies	45	Real Estate	39
Educational Psychology and Counseling	46	Recreation and Park Administration	60
Elementary Education	49	Refund Policy	12
English	31	Registration	21
Examinations, Comprehensive	22	Residence Status	11
Examinations, Graduate Record	20	School Counseling	47
Examinations, Test of English as a Foreign Language	20	Secondary and Higher Education	52
Expenses	11	Sixth Year Program, Education	42
Family Educational & Privacy Act	16	Sociology	73
Fifth Year Program, Education	38	Social and Behavioral Sciences, College of	72
Finance & Business Systems	38	Spanish	33
Financial Assistance	13	Special Education	54
Financial Obligations, Student	12	Specialist in Education Degree	42
Foreign Languages	33	Speech and Theatre Arts	35
French	33	Sports Administration	58
General Business	38	Statistics	71
Geography and Planning	73	Student Employment	14
Geology	68	Student Health Services	13
German	33	Student Organizations	15
Gifted and Talented Education	49	Student Publications	15
Government	75	Student Services Information	13
Graduate Faculty	81	Test of English as a Foreign Language	20
Graduate Management Admissions Test	36	Textiles, Clothing & Fashion	27
Graduate Record Examination	20	Thesis	22
Graduate, Application	19	Time Limit for Degree	22
Gulf Coast Research Lab	63	Transfer of Credit	21
Health Education	59	Transportation & Physical Distribution	38
Health, Physical Education, Recreation & Athletics College of	57	University Calendar	3
Higher Education	52	Visiting Students	20
History	78	Withdrawal	21
History, The University	7		
Home Economics	25	<input type="checkbox"/> by Narby Krimsnatch	
Housing	12		
Industrial Education & Technology	28		
Industrial and Community Services Counseling	47		
Insurance	39		
Interior Design	26		

Eastern Kentucky
University

Richmond, Kentucky 40475-0931

NON-PROFIT ORG.
U.S. POSTAGE
PAID
PERMIT NO. 2
RICHMOND, KY.

graduate catalog

